

# FREE READING BUILDING SERVERLESS WEB APPLICATIONS DEVELOP SCALABLE WEB APPS USING THE SERVERLESS FRAMEWORK ON AWS FULL PDF

SERVERLESS WEB APPLICATIONS WITH REACT AND FIREBASE BUILDING SERVERLESS WEB APPLICATIONS SERVERLESS DESIGN PATTERNS AND BEST PRACTICES  
SERVERLESS APPLICATIONS WITH NODE.JS SERVERLESS WEB APPLICATIONS WITH AWS AMPLIFY SERVERLESS SINGLE PAGE APPS HANDS-ON SERVERLESS  
APPLICATIONS WITH GO SERVERLESS ARCHITECTURES WITH AWS BUILDING MODERN SERVERLESS WEB APIs HANDS-ON SERVERLESS APPLICATIONS WITH  
KOTLIN SERVERLESS ARCHITECTURES ON AWS AWS LAMBDA QUICK START GUIDE BUILDING SERVERLESS APPLICATIONS WITH PYTHON FULL STACK  
SERVERLESS AWS LAMBDA IN ACTION LEARN AWS SERVERLESS COMPUTING SERVERLESS PROGRAMMING COOKBOOK DEVOPS FOR SERVERLESS APPLICATIONS  
BEGINNING SERVERLESS ARCHITECTURES WITH MICROSOFT AZURE MASTERING AWS LAMBDA MONETIZING MACHINE LEARNING BUILDING SERVERLESS  
ARCHITECTURES PROGRAMMING AWS LAMBDA SERVERLESS SINGLE PAGE APPS AMAZON WEB SERVICES   
SERVERLESS PYTHON WEB SERVICES WITH ZAPPA ADVANCED SERVERLESS ARCHITECTURES WITH MICROSOFT AZURE LEARNING APACHE OPENWHISK FULL  
STACK SERVERLESS INTEGRATING SERVERLESS ARCHITECTURE ARCHITECTING CLOUD-NATIVE SERVERLESS SOLUTIONS BEGINNING SERVERLESS COMPUTING  
BUILDING SERVERLESS APPS WITH AZURE FUNCTIONS AND COSMOS DB AWS LAMBDA PRACTICAL RUST PROJECTS SECURITY FOR CLOUD NATIVE  
APPLICATIONS MASTERING RUST HANDS-ON SERVERLESS COMPUTING AWS CERTIFIED DEVELOPER OFFICIAL STUDY GUIDE HANDS-ON FULL STACK  
DEVELOPMENT WITH ANGULAR 5 AND FIREBASE

## *SERVERLESS WEB APPLICATIONS WITH REACT AND FIREBASE*

2018-04-10

BUILD RICH AND COLLABORATIVE APPLICATIONS USING CLIENT SIDE CODE WITH REACT REDUX AND FIREBASE KEY FEATURES 1 A PRACTICAL GUIDE COVERING THE FULL STACK FOR WEB DEVELOPMENT WITH REACT 16 AND FIREBASE 2 LEVERAGE THE POWER OF FIREBASE CLOUD STORAGE MESSAGING FUNCTIONS OAUTH AND DATABASE SECURITY TO DEVELOP SERVERLESS WEB APPLICATIONS 3 DEVELOP HIGH PERFORMANCE APPLICATIONS WITHOUT THE HASSLE OF SETTING UP COMPLEX WEB INFRASTRUCTURE BOOK DESCRIPTION REACTJS IS A WONDERFUL FRAMEWORK FOR UI DEVELOPMENT FIREBASE AS A BACKEND WITH REACT IS A GREAT CHOICE AS IT IS EASY POWERFUL AND PROVIDES GREAT DEVELOPER EXPERIENCE IT REMOVES A LOT OF BOILERPLATE CODE FROM YOUR APP AND ALLOWS YOU TO FOCUS ON YOUR APP TO GET IT OUT QUICKLY TO USERS FIREBASE WITH REACT IS ALSO A GOOD CHOICE FOR MOST VIABLE PRODUCT MVP DEVELOPMENT THIS BOOK PROVIDES MORE PRACTICAL INSIGHTS RATHER THAN JUST THEORETICAL CONCEPTS AND INCLUDES BASIC TO ADVANCED EXAMPLES FROM HELLO WORLD TO A REAL TIME SEAT BOOKING APP AND HELPDESK APPLICATION THIS BOOK WILL COVER THE ESSENTIALS OF FIREBASE AND REACT JS AND WILL TAKE YOU ON A FAST PACED JOURNEY THROUGH BUILDING REAL TIME APPLICATIONS WITH FIREBASE FEATURES SUCH AS CLOUD STORAGE CLOUD FUNCTION HOSTING AND THE REALTIME DATABASE WE WILL LEARN HOW TO SECURE OUR APPLICATION BY USING FIREBASE AUTHENTICATION AND DATABASE SECURITY RULES WE WILL LEVERAGE THE POWER OF REDUX TO ORGANIZE DATA IN THE FRONT END SINCE REDUX ATTEMPTS TO MAKE STATE MUTATIONS PREDICTABLE BY IMPOSING CERTAIN RESTRICTIONS ON HOW AND WHEN UPDATES CAN HAPPEN TOWARDS THE END OF THE BOOK YOU WILL HAVE IMPROVED YOUR REACT SKILLS BY REALIZING THE POTENTIAL OF FIREBASE TO CREATE REAL TIME SERVERLESS WEB APPLICATIONS WHAT YOU WILL LEARN INSTALL POWERFUL REACT JS AND FIREBASE TOOLS TO MAKE DEVELOPMENT MUCH MORE EFFICIENT CREATE REACT COMPONENTS WITH FIREBASE TO SAVE AND RETRIEVE THE DATA IN REAL TIME USE FIREBASE AUTHENTICATION TO MAKE YOUR REACT USER INTERFACE SECURE DEVELOP REACT AND FIREBASE APPLICATIONS WITH REDUX INTEGRATION FIREBASE DATABASE SECURITY RULES FIREBASE CLOUD STORAGE INTEGRATION TO UPLOAD AND STORE DATA ON THE CLOUD CREATE A COMPLETE REAL TIME APPLICATION WITH REACT AND FIREBASE USING FIREBASE CLOUD MESSAGING AND CLOUD FUNCTIONS WITH REACT FIREBASE CLOUD STORAGE INTEGRATION WITH REACT WHO THIS BOOK IS FOR THIS BOOK IS FOR JAVASCRIPT DEVELOPERS WHO HAVE SOME PREVIOUS KNOWLEDGE OF REACT AND WANT TO DEVELOP SERVERLESS FULL STACK APPLICATIONS BUT WITHOUT THE HASSLE OF SETTING UP A COMPLEX INFRASTRUCTURE

## **BUILDING SERVERLESS WEB APPLICATIONS**

2017-07-28

BUILD SCALABLE EFFICIENT AND HIGHLY AVAILABLE WEB APPS USING AWS ABOUT THIS BOOK GET AN IN DEPTH UNDERSTANDING OF THE SERVERLESS MODEL BUILD A COMPLETE SERVERLESS WEB APPLICATION END TO END LEARN HOW TO USE THE SERVERLESS FRAMEWORK TO IMPROVE YOUR PRODUCTIVITY WHO THIS BOOK IS FOR IF YOU RE LOOKING TO LEARN MORE ABOUT SCALABLE AND COST EFFICIENT ARCHITECTURES THIS BOOK IS FOR YOU BASIC KNOWLEDGE OF NODE JS SKILLS OR FAMILIARITY WITH CLOUD SERVICES IS REQUIRED FOR OTHER TOPICS WE COVER THE BASICS WHAT YOU WILL LEARN GET A GRASP OF THE PROS AND CONS OF GOING SERVERLESS AND ITS USE CASES DISCOVER HOW YOU CAN USE THE BUILDING BLOCKS OF AWS TO YOUR ADVANTAGE SET UP THE ENVIRONMENT AND CREATE A BASIC APP WITH THE SERVERLESS FRAMEWORK HOST STATIC FILES ON S3 AND CLOUDFRONT WITH HTTPS SUPPORT BUILD A SAMPLE APPLICATION WITH A FRONTEND USING REACT AS AN SPA DEVELOP THE NODE JS BACKEND TO HANDLE REQUESTS AND CONNECT TO A SIMPLEDB DATABASE SECURE YOUR APPLICATIONS WITH AUTHENTICATION AND AUTHORIZATION IMPLEMENT THE PUBLISH SUBSCRIBE PATTERN TO HANDLE NOTIFICATIONS IN A SERVERLESS APPLICATION CREATE TESTS DEFINE THE WORKFLOW FOR DEPLOYMENT AND MONITOR YOUR APP IN DETAIL THIS BOOK WILL EQUIP YOU WITH THE KNOWLEDGE NEEDED TO BUILD YOUR OWN SERVERLESS APPS BY SHOWING YOU HOW TO SET UP DIFFERENT SERVICES WHILE MAKING YOUR APPLICATION SCALABLE HIGHLY AVAILABLE AND EFFICIENT WE BEGIN BY GIVING YOU AN IDEA OF WHAT IT MEANS TO GO SERVERLESS EXPLORING THE PROS AND CONS OF THE SERVERLESS MODEL AND ITS USE CASES NEXT YOU WILL BE INTRODUCED TO THE AWS SERVICES THAT WILL BE USED THROUGHOUT THE BOOK HOW TO ESTIMATE COSTS AND HOW TO SET UP AND USE THE SERVERLESS FRAMEWORK FROM HERE YOU WILL START TO BUILD AN ENTIRE SERVERLESS PROJECT OF AN ONLINE STORE BEGINNING WITH A REACT SPA FRONTEND HOSTED ON AWS FOLLOWED BY A SERVERLESS BACKEND WITH API GATEWAY AND LAMBDA FUNCTIONS YOU WILL ALSO LEARN TO ACCESS DATA FROM A SIMPLEDB DATABASE SECURE THE APPLICATION WITH AUTHENTICATION AND AUTHORIZATION AND IMPLEMENT SERVERLESS NOTIFICATIONS FOR BROWSERS USING AWS IOT THIS BOOK WILL DESCRIBE HOW TO MONITOR THE PERFORMANCE EFFICIENCY AND ERRORS OF YOUR APPS AND CONCLUDE BY TEACHING YOU HOW TO TEST AND DEPLOY YOUR APPLICATIONS STYLE AND APPROACH THIS BOOK TAKES A STEP BY STEP APPROACH ON HOW TO USE THE SERVERLESS FRAMEWORK AND AWS SERVICES TO BUILD SERVERLESS APPLICATIONS IT WILL GIVE YOU A HANDS ON FEELING ALLOWING YOU TO PRACTICE WHILE READING IT PROVIDES A BRIEF INTRODUCTION OF CONCEPTS WHILE KEEPING THE FOCUS ON THE PRACTICAL SKILLS REQUIRED TO DEVELOP APPLICATIONS

## **SERVERLESS DESIGN PATTERNS AND BEST PRACTICES**

2018-04-12

GET STARTED WITH DESIGNING YOUR SERVERLESS APPLICATION USING OPTIMUM DESIGN PATTERNS AND INDUSTRY STANDARD PRACTICES KEY FEATURES LEARN THE DETAILS OF POPULAR SOFTWARE PATTERNS AND HOW THEY ARE APPLIED TO SERVERLESS APPLICATIONS UNDERSTAND KEY CONCEPTS AND COMPONENTS IN SERVERLESS DESIGNS WALK AWAY WITH A THOROUGH UNDERSTANDING OF ARCHITECTING SERVERLESS APPLICATIONS BOOK DESCRIPTION SERVERLESS APPLICATIONS HANDLE MANY PROBLEMS THAT DEVELOPERS FACE WHEN RUNNING SYSTEMS AND SERVERS THE SERVERLESS PAY PER INVOCATION MODEL CAN ALSO RESULT IN DRASTIC COST SAVINGS CONTRIBUTING TO ITS POPULARITY WHILE IT S SIMPLE TO CREATE A BASIC SERVERLESS APPLICATION IT S CRITICAL TO STRUCTURE YOUR SOFTWARE CORRECTLY TO ENSURE IT CONTINUES TO SUCCEED AS IT GROWS SERVERLESS DESIGN PATTERNS AND BEST PRACTICES PRESENTS PATTERNS THAT CAN BE ADAPTED TO RUN IN A SERVERLESS ENVIRONMENT YOU WILL LEARN HOW TO DEVELOP APPLICATIONS THAT ARE SCALABLE FAULT TOLERANT AND WELL TESTED THE BOOK BEGINS WITH AN INTRODUCTION TO THE DIFFERENT DESIGN PATTERN CATEGORIES AVAILABLE FOR SERVERLESS APPLICATIONS YOU WILL LEARN THE TRADE OFFS BETWEEN GRAPHQL AND REST AND HOW THEY FARE REGARDING OVERALL APPLICATION DESIGN IN A SERVERLESS ECOSYSTEM THE BOOK WILL ALSO SHOW YOU HOW TO MIGRATE AN EXISTING API TO A SERVERLESS BACKEND USING AWS API GATEWAY YOU WILL LEARN HOW TO BUILD EVENT DRIVEN APPLICATIONS USING QUEUING AND STREAMING SYSTEMS SUCH AS AWS SIMPLE QUEUING SERVICE SQS AND AWS KINESIS PATTERNS FOR DATA INTENSIVE SERVERLESS APPLICATION ARE ALSO EXPLAINED INCLUDING THE LAMBDA ARCHITECTURE AND MAPREDUCE THIS BOOK WILL EQUIP YOU WITH THE KNOWLEDGE AND SKILLS YOU NEED TO DEVELOP SCALABLE AND RESILIENT SERVERLESS APPLICATIONS CONFIDENTLY WHAT YOU WILL LEARN COMPREHEND THE POPULAR DESIGN PATTERNS CURRENTLY BEING USED WITH SERVERLESS ARCHITECTURES UNDERSTAND THE VARIOUS DESIGN OPTIONS AND CORRESPONDING

IMPLEMENTATIONS FOR SERVERLESS WEB APPLICATION APIS LEARN MULTIPLE PATTERNS FOR DATA INTENSIVE SERVERLESS SYSTEMS AND PIPELINES INCLUDING MAPREDUCE AND LAMBDA ARCHITECTURE LEARN HOW TO LEVERAGE HOSTED DATABASES QUEUES STREAMS STORAGE SERVICES AND NOTIFICATION SERVICES UNDERSTAND ERROR HANDLING AND SYSTEM MONITORING IN A SERVERLESS ARCHITECTURE A SERVERLESS ARCHITECTURE LEARN HOW TO SET UP A SERVERLESS APPLICATION FOR CONTINUOUS INTEGRATION CONTINUOUS DELIVERY AND CONTINUOUS DEPLOYMENT WHO THIS BOOK IS FOR IF YOU'RE A SOFTWARE ARCHITECT ENGINEER OR SOMEONE WHO WANTS TO BUILD SERVERLESS APPLICATIONS WHICH ARE NON TRIVIAL IN COMPLEXITY AND SCOPE THEN THIS BOOK IS FOR YOU BASIC KNOWLEDGE OF PROGRAMMING AND SERVERLESS COMPUTING CONCEPTS ARE ASSUMED

## *SERVERLESS APPLICATIONS WITH NODEJS*

2019-02-12

SUMMARY SERVERLESS APPLICATIONS WITH NODE JS WALKS YOU THROUGH BUILDING SERVERLESS APPS ON AWS USING JAVASCRIPT INSIDE YOU LL DISCOVER WHAT CLAUDIA JS BRINGS TO THE TABLE AS YOU BUILD AND DEPLOY A SCALABLE EVENT BASED SERVERLESS APPLICATION BASED AROUND A PIZZERIA THAT S FULLY INTEGRATED WITH AWS SERVICES INCLUDING LAMBDA AND API GATEWAY EACH CHAPTER IS FILLED WITH EXERCISES EXAMPLES TIPS AND MORE TO MAKE SURE YOU'RE READY TO BRING WHAT YOU'VE LEARNED INTO YOUR OWN WORK FOREWORD BY GOJKO ADZIC PURCHASE OF THE PRINT BOOK INCLUDES A FREE EBOOK IN PDF KINDLE AND EPUB FORMATS FROM MANNING PUBLICATIONS ABOUT THE TECHNOLOGY THE BENEFITS OF CLOUD HOSTED SERVERLESS WEB APPS ARE UNDENIABLE LOWER COMPLEXITY QUICKER TIME TO MARKET AND EASIER SCALABILITY THAN TRADITIONAL SERVER DEPENDENT DESIGNS AND THANKS TO JAVASCRIPT SUPPORT IN AWS LAMBDA AND POWERFUL NEW SERVERLESS API TOOLS LIKE THE CLAUDIA JS LIBRARY YOU CAN BUILD AND DEPLOY SERVERLESS APPS END TO END WITHOUT LEARNING A NEW LANGUAGE ABOUT THE BOOK SERVERLESS APPLICATIONS WITH NODE JS TEACHES YOU TO DESIGN AND BUILD SERVERLESS WEB APPS ON AWS USING JAVASCRIPT NODE AND CLAUDIA JS YOU LL MASTER THE BASICS OF WRITING AWS LAMBDA FUNCTIONS ALONG WITH CORE SERVERLESS PATTERNS LIKE API GATEWAY ALONG THE WAY YOU LL PRACTICE YOUR NEW SKILLS BY BUILDING A WORKING CHATBOT AND A VOICE ASSISTANT WITH AMAZON ALEXA YOU LL ALSO DISCOVER TECHNIQUES FOR MIGRATING EXISTING APPS TO A SERVERLESS PLATFORM WHAT S INSIDE AUTHENTICATION AND DATABASE STORAGE ASYNCHRONOUS FUNCTIONS INTERESTING REAL WORLD EXAMPLES DEVELOPING SERVERLESS MICROSERVICES ABOUT THE READER FOR WEB DEVELOPERS COMFORTABLE WITH JAVASCRIPT AND NODEJS ABOUT THE AUTHOR SLOBODAN STOJANOVIĆ AND ALEKSANDAR SIMOVIĆ ARE AWS SERVERLESS HEROES AND CORE CONTRIBUTORS TO THE CLAUDIA JS PROJECT THEY ARE ALSO COAUTHORS OF DESOLE AN OPEN SOURCE SERVERLESS ERRORTRACKING TOOL AND THE LEAD DEVELOPERS OF CLAUDIA BOT BUILDER TABLE OF CONTENTS PART 1 SERVERLESS PIZZERIA INTRODUCTION TO SERVERLESS WITH CLAUDIA BUILDING YOUR FIRST SERVERLESS API ASYNCHRONOUS WORK IS EASY WE PROMISE PIZZA DELIVERY CONNECTING AN EXTERNAL SERVICE HOUSTON WE HAVE A PROBLEM LEVEL UP YOUR API WORKING WITH FILES PART 2 LET S TALK WHEN PIZZA IS ONE MESSAGE AWAY CHATBOTS TYPING ASYNC AND DELAYED RESPONSES JARVIS I MEAN ALEXA ORDER ME A PIZZA PAYING FOR PIZZA MIGRATING TO SERVERLESS REAL WORLD CASE STUDIES APPENDIX A INSTALLATION AND CONFIGURATION APPENDIX B FACEBOOK MESSENGER TWILIO AND ALEXA CONFIGURATION APPENDIX C STRIPE AND MONGODB SETUP APPENDIX D THE PIZZA RECIPE

## SERVERLESS WEB APPLICATIONS WITH AWS AMPLIFY

2023-08-06

LEARN THE FUNDAMENTALS OF SERVERLESS APPLICATIONS AND HOW TO TAKE ADVANTAGE OF TIME TESTED AMAZON SERVICES AWS TO BUILD SCALABLE APPS THIS BOOK SHOWS YOU HOW TO WORK WITH THE KEY FEATURES OF YOUR APPLICATIONS WITH MINIMUM CODE SIMPLE CLI COMMANDS AND ONE CLICK DEPLOYMENTS YOU LL SEE HOW TO MANAGE AUTHENTICATION STANDARD UI COMPONENTS DATABASE STORAGE FILESYSTEM CI CD PIPELINE AND MORE YOU LL ALSO EXAMINE THE ARCHITECTURE STRENGTHS SCALABILITY AND LIMITATIONS OF SERVERLESS AND HOW TO USE AWS AMPLIFY EFFECTIVELY YOU WILL USE TOOLS INCLUDING REACT COGNITO GRAPHQL DYNAMODB KINESIS AND SAGEMAKER AWS AMPLIFY IS THE FASTEST AND EASIEST WAY TO BUILD SERVERLESS WEB AND MOBILE APPS AT SCALE COMPRISING TOOLS AND SERVICES THAT WORK INDEPENDENTLY AND CAN BE WIRED TOGETHER TO BUILD SCALABLE APPS WHAT YOU LL LEARN BUILD GRAPHQL AND REST APIS MODEL DATA WITH AMPLIFY DATASTORES SET UP A CI CD PIPELINE WITH AMPLIFY RECORD AND MAKE SENSE OF USER DATA ANALYTICS WITH KINESIS BOOST YOUR APPLICATION WITH AI ML CAPABILITY USING SAGEMAKER WHO THIS BOOK IS FOR DEVELOPERS WHO HAVE WORKED ON WEB TECHNOLOGIES AND WANT TO LEARN HOW TO BUILD SERVERLESS APPLICATIONS AND DEVELOPERS INTERESTED IN MAKING POWERFUL APPLICATIONS USING AWS THAT CAN THEN BE WIRED USING AWS AMPLIFY

## SERVERLESS SINGLE PAGE APPS

2016-06-14

DON T WASTE YOUR TIME BUILDING AN APPLICATION SERVER SEE HOW TO BUILD LOW COST LOW MAINTENANCE HIGHLY AVAILABLE SERVERLESS SINGLE PAGE WEB APPLICATIONS THAT SCALE INTO THE MILLIONS OF USERS AT THE CLICK OF A BUTTON QUICKLY BUILD RELIABLE WELL TESTED SINGLE PAGE APPS THAT STAY UP AND RUNNING 24 7 USING AMAZON SERVICES AVOID MESSING AROUND WITH MIDDLE TIER INFRASTRUCTURE AND GET RIGHT TO THE WEB APP YOUR CUSTOMERS WANT YOU DON T NEED TO MANAGE YOUR OWN SERVERS TO BUILD POWERFUL WEB APPLICATIONS THIS BOOK WILL SHOW YOU HOW TO CREATE A SINGLE PAGE APP THAT RUNS ENTIRELY ON WEB SERVICES SCALES TO MILLIONS OF USERS AND COSTS LESS PER DAY THAN A CUP OF COFFEE USING A WEB BROWSER A PREPARED WORKSPACE AND YOUR FAVORITE EDITOR YOU LL BUILD A COMPLETE SINGLE PAGE WEB APPLICATION STEP BY STEP LEARN THE FUNDAMENTAL TECHNOLOGIES BEHIND MODERN SINGLE PAGE APPS AND USE WEB STANDARDS TO CREATE LEAN WEB APPLICATIONS THAT CAN TAKE ADVANTAGE OF THE NEWEST TECHNOLOGIES DEPLOY YOUR APPLICATION QUICKLY USING AMAZON S3 USE AMAZON COGNITO TO CONNECT WITH PROVIDERS LIKE GOOGLE AND FACEBOOK TO MANAGE USER IDENTITIES READ AND WRITE USER DATA DIRECTLY FROM THE BROWSER USING DYNAMODB AND BUILD YOUR OWN SCALABLE CUSTOM MICROSERVICES WITH AMAZON LAMBDA WHETHER YOU VE NEVER BUILT A WEB APPLICATION BEFORE OR YOU'RE A SEASONED WEB DEVELOPER WHO S JUST LOOKING FOR AN ALTERNATIVE TO COMPLEX SERVER SIDE WEB FRAMEWORKS THIS BOOK DESCRIBES A SIMPLE APPROACH TO BUILDING SERVERLESS WEB APPLICATIONS THAT YOU CAN EASILY APPLY OR ADAPT FOR YOUR OWN PROJECTS WHAT YOU NEED TO FOLLOW THE TUTORIAL IN THIS BOOK YOU LL NEED A COMPUTER WITH A WEB BROWSER YOU LL ALSO NEED A TEXT EDITOR AND A GIT CLIENT BUILDING THIS WEB APPLICATION WILL REQUIRE SOME SORT OF DEVELOPMENT WEB SERVER YOU CAN USE YOUR OWN OR YOU CAN ALSO USE THE ONE INCLUDED WITH THE TUTORIAL S PREPARED WORKSPACE THE INCLUDED WEB SERVER REQUIRES RUBY 2.0 ALTHOUGH WE ALSO SUGGEST FEW ALTERNATIVES TO GET STARTED QUICKLY YOU NEED A BASIC UNDERSTANDING OF HTML CSS AND JAVASCRIPT IF YOU'RE NEW TO THESE TOPICS YOU CAN GET UP TO SPEED USING LINKS WE LL PROVIDE IN THE INTRODUCTION

## ***HANDS-ON SERVERLESS APPLICATIONS WITH GO***

2018-08-29

LEARN TO BUILD SECURE DEPLOY AND MANAGE YOUR SERVERLESS APPLICATION IN GOLANG WITH AWS LAMBDA KEY FEATURES IMPLEMENT AWS LAMBDA TO BUILD SCALABLE AND COST EFFICIENT APPLICATIONS IN GO DESIGN AND SET THE DATA FLOW BETWEEN CLOUD SERVICES AND CUSTOM BUSINESS LOGIC LEARN TO DESIGN LAMBDA FUNCTIONS USING REAL WORLD EXAMPLES AND IMPLEMENTATION SCENARIOS BOOK DESCRIPTION SERVERLESS ARCHITECTURE IS POPULAR IN THE TECH COMMUNITY DUE TO AWS LAMBDA GO IS SIMPLE TO LEARN STRAIGHTFORWARD TO WORK WITH AND EASY TO READ FOR OTHER DEVELOPERS AND NOW IT S BEEN HERALDED AS A SUPPORTED LANGUAGE FOR AWS LAMBDA THIS BOOK IS YOUR OPTIMAL GUIDE TO DESIGNING A GO SERVERLESS APPLICATION AND DEPLOYING IT TO LAMBDA THIS BOOK STARTS WITH A QUICK INTRODUCTION TO THE WORLD OF SERVERLESS ARCHITECTURE AND ITS BENEFITS AND THEN DELVES INTO AWS LAMBDA USING PRACTICAL EXAMPLES YOU LL THEN LEARN HOW TO DESIGN AND BUILD A PRODUCTION READY APPLICATION IN GO USING AWS SERVERLESS SERVICES WITH ZERO UPFRONT INFRASTRUCTURE INVESTMENT THE BOOK WILL HELP YOU LEARN HOW TO SCALE UP SERVERLESS APPLICATIONS AND HANDLE DISTRIBUTED SERVERLESS SYSTEMS IN PRODUCTION YOU WILL ALSO LEARN HOW TO LOG AND TEST YOUR APPLICATION ALONG THE WAY YOU LL ALSO DISCOVER HOW TO SET UP A CI CD PIPELINE TO AUTOMATE THE DEPLOYMENT PROCESS OF YOUR LAMBDA FUNCTIONS MOREOVER YOU LL LEARN HOW TO TROUBLESHOOT AND MONITOR YOUR APPS IN NEAR REAL TIME WITH SERVICES SUCH AS AWS CLOUDWATCH AND X RAY THIS BOOK WILL ALSO TEACH YOU HOW TO SECURE THE ACCESS WITH AWS COGNITO BY THE END OF THIS BOOK YOU WILL HAVE MASTERED DESIGNING BUILDING AND DEPLOYING A GO SERVERLESS APPLICATION WHAT YOU WILL LEARN UNDERSTAND HOW AWS LAMBDA WORKS AND USE IT TO CREATE AN APPLICATION UNDERSTAND HOW TO SCALEUP SERVERLESS APPLICATIONS DESIGN A COST EFFECTIVE SERVERLESS APPLICATION IN AWS BUILD A HIGHLY SCALABLE AND FAULT TOLERANT CI CD PIPELINE UNDERSTAND HOW TO TROUBLESHOOT AND MONITOR SERVERLESS APPS IN AWS DISCOVER THE WORKING OF APIS AND SINGLE PAGE APPLICATIONS BUILD A PRODUCTION READY SERVERLESS APPLICATION IN GO WHO THIS BOOK IS FOR THIS BOOK IS FOR GO DEVELOPERS WHO WOULD LIKE TO LEARN ABOUT SERVERLESS ARCHITECTURE GO PROGRAMMING KNOWLEDGE IS ASSUMED DEVOPS AND SOLUTION ARCHITECTS WHO ARE INTERESTED IN BUILDING SERVERLESS APPLICATIONS IN GO CAN ALSO CHOOSE THIS BOOK

## ***SERVERLESS ARCHITECTURES WITH AWS***

2018-12-24

SERVERLESS ARCHITECTURES WITH AWS TEACHES YOU HOW TO BUILD SERVERLESS APPLICATIONS ON AWS APPLICATIONS THAT DO NOT REQUIRE THE DEVELOPER TO PROVISION SCALE OR MANAGE ANY SERVERS USING AN EVENT DRIVEN APPROACH AND AWS LAMBDA AS THE PRIMARY SERVICE THE BOOK EXPLAINS THE MANY BENEFITS OF SERVERLESS ARCHITECTURES BY THE END OF THE BOOK YOU

## ***BUILDING MODERN SERVERLESS WEB APIS***

2021-06-10

BUILDING AND HOSTING MICROSERVICES WITHOUT SERVERS USING AWS LAMBDA KEY FEATURES LEARN END TO END DEVELOPMENT OF MICROSERVICES USING NET CORE AND AWS LAMBDA LEARN A NEW WAY OF HOSTING THE NET CORE API ON THE AWS LAMBDA SERVERLESS PLATFORM MASTERING MICROSERVICES USING NET CORE AND AWS LAMBDA DESCRIPTION BUILDING MODERN SERVERLESS APIS INTRODUCES YOU TO THE SERVERLESS PARADIGM OF THE API APPLICATION ITS ADVANTAGES AND PRESENTS YOU THE MODERN APPROACH OF DEVELOPING THE API THE BOOK MAKES EFFICIENT USE OF AWS LAMBDA SERVICES TO DEVELOP EFFICIENT SCALABLE AND COST EFFECTIVE API SOLUTIONS THE BOOK BEGINS WITH A QUICK INTRODUCTION TO MICROSERVICES ITS CHARACTERISTICS AND CURRENT CHALLENGES FACED IN DEVELOPING AND IMPLEMENTING THEM THE BOOK EXPLORES CORE CONCEPTS OF ASP NET CORE AND SOME IMPORTANT AWS SERVICES THAT ARE COMMONLY USED TO BUILD MICROSERVICES USING AWS IT EXPLORES AND PROVIDES REAL HANDS ON MICROSERVICE PATTERNS AND SOME OF THE BEST PRACTICES USED IN DESIGNING THE SERVERLESS ARCHITECTURE FURTHERMORE THE BOOK COVERS END TO END DEMONSTRATION OF AN APPLICATION WHERE YOU WILL LEARN TO DEVELOP BUILD DEPLOY AND MONITOR MICROSERVICES ON AWS LAMBDA USING NET CORE 3 1 BY THE END OF THIS BOOK YOU WILL BE PROFICIENT IN DEVELOPING MICROSERVICES WITH AWS LAMBDA AND BECOME A SELF STARTER TO BUILD YOUR OWN SECURE MICROSERVICES WHAT YOU WILL LEARN LEARN ABOUT MICROSERVICES THEIR CHARACTERISTICS PATTERNS AND WHERE TO USE THEM UNDERSTAND POPULAR MICROSERVICE DESIGN PATTERNS BEING USED WITH THE SERVERLESS ARCHITECTURE LEARN ABOUT THE ASP NET CORE API AND ITS HOSTING STRATEGIES FOR BUILDING SERVERLESS MICROSERVICES LEARN ABOUT AMAZON SERVICES AND THE SERVICES COMMONLY USED TO BUILD MICROSERVICES DISCOVER HOW TO CONFIGURE AUTHORIZATION AND AUTHENTICATION TO SECURE MICROSERVICES IN AWS LEARN ABOUT AWS SERVICES AVAILABLE FOR CONTINUOUS DEPLOYMENT AND INTEGRATION TO DEPLOY MICROSERVICES WHO THIS BOOK IS FOR THIS BOOK IS FOR A SEASONED NET DEVELOPER OR AWS PRACTITIONER WHO WANTS TO LEARN ABOUT THE MICROSERVICES ARCHITECTURE PATTERNS AND HOW TO DEPLOY USING AWS LAMBDA TABLE OF CONTENTS 1 MICROSERVICES ITS CHARACTERISTICS AND CHALLENGES 2 INTRODUCTION TO THE ASP NET CORE API 3 INTRODUCTION TO AWS SERVICES 4 MICROSERVICES PATTERNS 5 THE SERVERLESS PARADIGM 6 COMMUNICATION PATTERNS AND SERVICE DISCOVERY 7 COLLABORATING BETWEEN MICROSERVICES 8 DISTRIBUTED MONITORING 9 SECURITY 10 CONTINUOUS INTEGRATION AND DEPLOYMENT 11 AWS BEST PRACTICES

## ***HANDS-ON SERVERLESS APPLICATIONS WITH KOTLIN***

2018-09-29

CHOOSE THE RIGHT ARCHITECTURE AND DESIGN IT USING DESIGN PATTERNS TO CREATE A SERVERLESS APPLICATION THAT CUTS COSTS AND IS EASILY SCALABLE KEY FEATURESDESIGN ENTERPRISE READY SERVERLESS APPLICATIONS THAT EFFORTLESSLY MEET YOUR CUSTOMERS REQUIREMENTSEFFECTIVELY DEPLOY MANAGE MONITOR AND ORCHESTRATE SERVERLESS APPLICATIONS USING AWSUSE CLOUD9 TO PROVISION A SECURED DEVELOPMENT ENVIRONMENT IN THE CLOUDBOOK DESCRIPTION SERVERLESS IS A CLOUD COMPUTING EXECUTION MODEL WHERE THE CLOUD PROVIDER DYNAMICALLY MANAGES THE ALLOCATION AND PROVISIONING OF SERVERS MANY COMPANIES HAVE STARTED USING SERVERLESS ARCHITECTURES TO CUT COSTS AND IMPROVE SCALABILITY HANDS ON SERVERLESS APPLICATIONS WITH KOTLIN IS YOUR ONE STOP GUIDE TO DESIGNING SERVERLESS ARCHITECTURES FOR YOUR APPLICATIONS WITH AWS AND KOTLIN TO START WITH YOU LL EXPLORE THE FUNDAMENTALS OF SERVERLESS ARCHITECTURE AND HOW AWS LAMBDA FUNCTIONS WORK YOU WILL THEN LEARN TO DESIGN BUILD

SECURE AND DEPLOY YOUR APPLICATION TO PRODUCTION IN ADDITION TO THESE ACTIVITIES YOU WILL UNDERSTAND HOW TO IMPLEMENT NON FUNCTIONAL REQUIREMENTS SUCH AS AUDITING AND LOGGING MOVING ON YOU WILL DISCOVER HOW TO SCALE UP AND ORCHESTRATE SERVERLESS APPLICATIONS USING AN OPEN SOURCE FRAMEWORK AND HANDLE DISTRIBUTED SERVERLESS SYSTEMS IN PRODUCTION BY THE END OF THE BOOK YOU WILL HAVE GAINED THE KNOWLEDGE NEEDED TO BUILD SCALABLE AND COST EFFICIENT KOTLIN APPLICATIONS WITH A SERVERLESS FRAMEWORK WHAT YOU WILL LEARN DESIGN A SERVERLESS ARCHITECTURE USE AWS LAMBDA TO CONTAIN YOUR SERVERLESS API EXPLORE THE VARIOUS WAYS TO KEEP SERVERLESS APPS SAFE AND SECURE UNDERSTAND HOW A SERVERLESS API ALLOWS YOU TO USE HUGE INFRASTRUCTURE AND CUT COSTS DISCOVER HOW TO HANDLE DISTRIBUTED SYSTEMS IN KOTLIN DESIGN THE DATA FLOW BETWEEN CLOUD SERVICES AND CUSTOM BUSINESS LOGIC SECURE YOUR KOTLIN AWS SERVERLESS APPLICATION MASTER KOTLIN DESIGN PATTERNS FOR SERVERLESS APPLICATIONS WHO THIS BOOK IS FOR HANDS ON SERVERLESS APPLICATIONS WITH KOTLIN IS FOR YOU IF YOU ARE A KOTLIN DEVELOPER WHO WANTS TO LEARN ABOUT SERVERLESS ARCHITECTURES IT IS ASSUMED THAT YOU HAVE SOME KNOWLEDGE OF KOTLIN PROGRAMMING AND AWS

## SERVERLESS ARCHITECTURES ON AWS

2017-04-17

SUMMARY SERVERLESS ARCHITECTURES ON AWS TEACHES YOU HOW TO BUILD SECURE AND MANAGE SERVERLESS ARCHITECTURES THAT CAN POWER THE MOST DEMANDING WEB AND MOBILE APPS FOREWORDS BY PATRICK DEBOIS FOUNDER OF DEVOPSDAYS AND DR DONALD F FERGUSON COLUMBIA UNIVERSITY PURCHASE OF THE PRINT BOOK INCLUDES A FREE EBOOK IN PDF KINDLE AND EPUB FORMATS FROM MANNING PUBLICATIONS ABOUT THE TECHNOLOGY THERE S A SHIFT UNDERWAY TOWARD SERVERLESS CLOUD ARCHITECTURES WITH THE RELEASE OF SERVERLESS COMPUTER TECHNOLOGIES SUCH AS AWS LAMBDA DEVELOPERS ARE NOW BUILDING ENTIRELY SERVERLESS PLATFORMS AT SCALE IN THESE NEW ARCHITECTURES TRADITIONAL BACK END SERVERS ARE REPLACED WITH CLOUD FUNCTIONS ACTING AS DISCRETE SINGLE PURPOSE SERVICES BY COMPOSING AND COMBINING THESE SERVERLESS CLOUD FUNCTIONS TOGETHER IN A LOOSE ORCHESTRATION AND ADOPTING USEFUL THIRD PARTY SERVICES DEVELOPERS CAN CREATE POWERFUL YET EASY TO UNDERSTAND APPLICATIONS ABOUT THE BOOK SERVERLESS ARCHITECTURES ON AWS TEACHES YOU HOW TO BUILD SECURE AND MANAGE SERVERLESS ARCHITECTURES THAT CAN POWER THE MOST DEMANDING WEB AND MOBILE APPS YOU WILL GET GOING QUICKLY WITH THIS BOOK S READY MADE REAL WORLD EXAMPLES CODE SNIPPETS DIAGRAMS AND DESCRIPTIONS OF ARCHITECTURES THAT CAN BE READILY APPLIED BY THE END YOU WILL BE ABLE TO ARCHITECT AND BUILD YOUR OWN SERVERLESS APPLICATIONS ON AWS WHAT S INSIDE FIRST STEPS WITH SERVERLESS COMPUTING IMPORTANT PATTERNS AND ARCHITECTURES WRITING AWS LAMBDA FUNCTIONS AND USING THE API GATEWAY COMPOSING SERVERLESS APPLICATIONS USING KEY SERVICES LIKE AUTH0 AND FIREBASE SECURING DEPLOYING AND MANAGING SERVERLESS ARCHITECTURES ABOUT THE READER THIS BOOK IS FOR SOFTWARE DEVELOPERS INTERESTED IN BACK END TECHNOLOGIES EXPERIENCE WITH JAVASCRIPT NODE JS AND AWS IS USEFUL BUT NOT REQUIRED ABOUT THE AUTHOR DR PETER SBARSKI IS A WELL KNOWN AWS EXPERT VP OF ENGINEERING AT A CLOUD GURU AND HEAD OF SERVERLESSCONF TABLE OF CONTENTS PART 1 FIRST STEPS GOING SERVERLESS ARCHITECTURES AND PATTERNS BUILDING A SERVERLESS APPLICATION SETTING UP YOUR CLOUD PART 2 CORE IDEAS AUTHENTICATION AND AUTHORIZATION LAMBDA THE ORCHESTRATOR API GATEWAY PART 3 GROWING YOUR ARCHITECTURE STORAGE DATABASE GOING THE LAST MILE APPENDIXES SERVICES FOR YOUR SERVERLESS ARCHITECTURE INSTALLATION AND SETUP MORE ABOUT AUTHENTICATION AND AUTHORIZATION LAMBDA INSIDER MODELS AND MAPPING

## AWS LAMBDA QUICK START GUIDE

2018-06-29

DISCOVER TECHNIQUES AND TOOLS FOR BUILDING SERVERLESS APPLICATIONS WITH AWS LAMBDA KEY FEATURES LEARN TO WRITE RUN AND DEPLOY LAMBDA FUNCTIONS IN THE AWS CLOUD MAKE THE MOST OF AWS LAMBDA FUNCTIONS TO BUILD SCALABLE AND COST EFFICIENT SYSTEMS A PRACTICAL GUIDE TO DEVELOPING SERVERLESS SERVICES AND APPLICATIONS IN NODE JS JAVA PYTHON AND C BOOK DESCRIPTION AWS LAMBDA IS A PART OF AWS THAT LETS YOU RUN YOUR CODE WITHOUT PROVISIONING OR MANAGING SERVERS THIS ENABLES YOU TO DEPLOY APPLICATIONS AND BACKEND SERVICES THAT OPERATE WITH NO UPFRONT COST THIS BOOK GETS YOU UP TO SPEED ON HOW TO BUILD SCALABLE SYSTEMS AND DEPLOY SERVERLESS APPLICATIONS WITH AWS LAMBDA THE BOOK STARTS WITH THE FUNDAMENTAL CONCEPTS OF AWS LAMBDA AND THEN TEACHES YOU HOW TO COMBINE YOUR APPLICATIONS WITH OTHER AWS SERVICES SUCH AS AMAZON API GATEWAY AND DYNAMODB THIS BOOK WILL ALSO GIVE A QUICK WALK THROUGH ON HOW TO USE THE SERVERLESS FRAMEWORK TO BUILD LARGER APPLICATIONS THAT CAN STRUCTURE CODE OR AUTOGENERATE BOILERPLATE CODE THAT CAN BE USED TO GET STARTED QUICKLY FOR INCREASED PRODUCTIVITY TOWARD THE END OF THE BOOK YOU WILL LEARN HOW TO WRITE RUN AND TEST LAMBDA FUNCTIONS USING NODE JS JAVA PYTHON AND C WHAT YOU WILL LEARN UNDERSTAND THE FUNDAMENTAL CONCEPTS OF AWS LAMBDA GET TO GRIPS WITH THE SERVERLESS FRAMEWORK AND HOW TO CREATE A SERVERLESS PROJECT TESTING AND DEBUGGING LAMBDA FUNCTIONS CREATE A STATEFUL SERVERLESS BACKEND WITH DYNAMODB PROGRAM AWS LAMBDA WITH JAVA PYTHON AND C PROGRAM A LAMBDA FUNCTION WITH NODE JS WHO THIS BOOK IS FOR THIS BOOK IS PRIMARILY FOR IT ARCHITECTS AND DEVELOPERS WHO WANT TO BUILD SCALABLE SYSTEMS AND DEPLOY SERVERLESS APPLICATIONS WITH AWS LAMBDA NO PRIOR KNOWLEDGE OF AWS IS NECESSARY

## BUILDING SERVERLESS APPLICATIONS WITH PYTHON

2018-04-20

BUILDING EFFICIENT PYTHON APPLICATIONS AT MINIMAL COST BY ADOPTING SERVERLESS ARCHITECTURES KEY FEATURES DESIGN AND SET UP A DATA FLOW BETWEEN CLOUD SERVICES AND CUSTOM BUSINESS LOGIC MAKE YOUR APPLICATIONS EFFICIENT AND RELIABLE USING SERVERLESS ARCHITECTURE BUILD AND DEPLOY SCALABLE SERVERLESS PYTHON APIS BOOK DESCRIPTION SERVERLESS ARCHITECTURES ALLOW YOU TO BUILD AND RUN APPLICATIONS AND SERVICES WITHOUT HAVING TO MANAGE THE INFRASTRUCTURE MANY COMPANIES HAVE ADOPTED THIS ARCHITECTURE TO SAVE COST AND IMPROVE SCALABILITY THIS BOOK WILL HELP YOU DESIGN SERVERLESS ARCHITECTURES FOR YOUR APPLICATIONS WITH AWS AND PYTHON THE BOOK IS DIVIDED INTO THREE MODULES THE FIRST MODULE EXPLAINS THE FUNDAMENTALS OF SERVERLESS ARCHITECTURE AND HOW AWS LAMBDA FUNCTIONS WORK IN THE NEXT MODULE YOU WILL LEARN TO BUILD RELEASE AND DEPLOY YOUR APPLICATION TO PRODUCTION YOU WILL ALSO LEARN TO LOG AND TEST YOUR APPLICATION IN THE THIRD MODULE WE WILL TAKE YOU THROUGH ADVANCED TOPICS SUCH AS BUILDING A SERVERLESS API FOR YOUR APPLICATION YOU WILL ALSO LEARN TO TROUBLESHOOT AND MONITOR YOUR APP AND MASTER AWS LAMBDA PROGRAMMING CONCEPTS WITH API REFERENCES MOVING ON YOU WILL ALSO LEARN HOW TO SCALE UP SERVERLESS APPLICATIONS AND HANDLE DISTRIBUTED SERVERLESS SYSTEMS IN PRODUCTION BY THE END OF THE BOOK YOU WILL BE EQUIPPED WITH THE KNOWLEDGE REQUIRED TO BUILD SCALABLE AND COST EFFICIENT PYTHON APPLICATIONS WITH A SERVERLESS FRAMEWORK WHAT YOU WILL LEARN UNDERSTAND HOW AWS LAMBDA AND MICROSOFT AZURE

FUNCTIONS WORK AND USE THEM TO CREATE AN APPLICATION EXPLORE VARIOUS TRIGGERS AND HOW TO SELECT THEM BASED ON THE PROBLEM STATEMENT BUILD DEPLOYMENT PACKAGES FOR LAMBDA FUNCTIONS MASTER THE FINER DETAILS ABOUT BUILDING LAMBDA FUNCTIONS AND VERSIONING LOG AND MONITOR SERVERLESS APPLICATIONS LEARN ABOUT SECURITY IN AWS AND LAMBDA FUNCTIONS SCALE UP SERVERLESS APPLICATIONS TO HANDLE HUGE WORKLOADS AND SERVERLESS DISTRIBUTED SYSTEMS IN PRODUCTION UNDERSTAND SAM MODEL DEPLOYMENT IN AWS LAMBDA WHO THIS BOOK IS FOR THIS BOOK IS FOR PYTHON DEVELOPERS WHO WOULD LIKE TO LEARN ABOUT SERVERLESS ARCHITECTURE PYTHON PROGRAMMING KNOWLEDGE IS ASSUMED

## **FULL STACK SERVERLESS**

2020-07-13

CLOUD COMPUTING IS TYPICALLY ASSOCIATED WITH BACKEND DEVELOPMENT AND DEVOPS BUT WITH THE RISE OF SERVERLESS TECHNOLOGIES AND A NEW GENERATION OF SERVICES AND FRAMEWORKS FRONTEND AND MOBILE DEVELOPERS CAN BUILD ROBUST APPLICATIONS WITH PRODUCTION READY FEATURES SUCH AS AUTHENTICATION AND AUTHORIZATION API GATEWAYS CHATBOTS AUGMENTED REALITY SCENES AND MORE THIS HANDS ON GUIDE SHOWS YOU HOW NADER DABIT DEVELOPER ADVOCATE AT AMAZON SERVICES GUIDES YOU THROUGH THE PROCESS OF BUILDING FULL STACK APPLICATIONS USING REACT AWS GRAPHQL AND AWS AMPLIFY YOU LL LEARN HOW TO CREATE AND INCORPORATE SERVICES INTO YOUR CLIENT APPLICATIONS WHILE LEARNING GENERAL BEST PRACTICES DEPLOYMENT STRATEGIES RICH MEDIA MANAGEMENT AND CONTINUOUS INTEGRATION AND DELIVERY ALONG THE WAY LEARN HOW TO BUILD SERVERLESS APPLICATIONS THAT SOLVE REAL PROBLEMS UNDERSTAND WHAT IS AND ISN T POSSIBLE WHEN USING THESE TECHNOLOGIES CREATE A GRAPHQL API THAT INTERACTS WITH DYNAMODB AND A NOSQL DATABASE EXAMINE HOW AUTHENTICATION WORKS AND LEARN THE DIFFERENCE BETWEEN AUTHENTICATION AND AUTHORIZATION GET AN IN DEPTH VIEW OF HOW SERVERLESS FUNCTIONS WORK AND WHY THEY RE IMPORTANT BUILD FULL STACK APPLICATIONS ON AWS AND CREATE OFFLINE APPS WITH AMPLIFY DATASTORE

## **AWS LAMBDA IN ACTION**

2016-11-27

SUMMARY AWS LAMBDA IN ACTION IS AN EXAMPLE DRIVEN TUTORIAL THAT TEACHES YOU HOW TO BUILD APPLICATIONS THAT USE AN EVENT DRIVEN APPROACH ON THE BACK END FOREWORD BY JAMES GOVERNOR ABOUT THE TECHNOLOGY WITH AWS LAMBDA YOU WRITE YOUR CODE AND UPLOAD IT TO THE AWS CLOUD AWS LAMBDA RESPONDS TO THE EVENTS TRIGGERED BY YOUR APPLICATION OR YOUR USERS AND AUTOMATICALLY MANAGES THE UNDERLYING COMPUTER RESOURCES FOR YOU BACK END TASKS LIKE ANALYZING A NEW DOCUMENT OR PROCESSING REQUESTS FROM A MOBILE APP ARE EASY TO IMPLEMENT YOUR APPLICATION IS DIVIDED INTO SMALL FUNCTIONS LEADING NATURALLY TO A REACTIVE ARCHITECTURE AND THE ADOPTION OF MICROSERVICES ABOUT THE BOOK AWS LAMBDA IN ACTION IS AN EXAMPLE DRIVEN TUTORIAL THAT TEACHES YOU HOW TO BUILD APPLICATIONS THAT USE AN EVENT DRIVEN APPROACH ON THE BACK END STARTING WITH AN OVERVIEW OF AWS LAMBDA THE BOOK MOVES ON TO SHOW YOU COMMON EXAMPLES AND PATTERNS THAT YOU CAN USE TO CALL LAMBDA FUNCTIONS FROM A WEB PAGE OR A MOBILE APP THE SECOND PART OF THE BOOK PUTS THESE SMALLER EXAMPLES TOGETHER TO BUILD LARGER APPLICATIONS BY THE END YOU LL BE READY TO CREATE APPLICATIONS THAT TAKE ADVANTAGE OF THE HIGH AVAILABILITY SECURITY PERFORMANCE AND SCALABILITY OF AWS WHAT S INSIDE CREATE A SIMPLE API CREATE AN EVENT DRIVEN MEDIA SHARING APPLICATION SECURE ACCESS TO YOUR APPLICATION IN THE CLOUD USE FUNCTIONS FROM DIFFERENT CLIENTS LIKE WEB PAGES OR MOBILE APPS CONNECT YOUR APPLICATION WITH EXTERNAL SERVICES ABOUT THE READER REQUIRES BASIC KNOWLEDGE OF JAVASCRIPT SOME EXAMPLES ARE ALSO PROVIDED IN PYTHON NO AWS EXPERIENCE IS ASSUMED ABOUT THE AUTHOR DANILO POCCIA IS A TECHNICAL EVANGELIST AT AMAZON SERVICES AND A FREQUENT SPEAKER AT PUBLIC EVENTS AND WORKSHOPS TABLE OF CONTENTS RUNNING FUNCTIONS IN THE CLOUD YOUR FIRST LAMBDA FUNCTION YOUR FUNCTION AS A WEB API MANAGING SECURITY USING STANDALONE FUNCTIONS MANAGING IDENTITIES CALLING FUNCTIONS FROM A CLIENT DESIGNING AN AUTHENTICATION SERVICE IMPLEMENTING AN AUTHENTICATION SERVICE ADDING MORE FEATURES TO THE AUTHENTICATION SERVICE BUILDING A MEDIA SHARING APPLICATION WHY EVENT DRIVEN IMPROVING DEVELOPMENT AND TESTING AUTOMATING DEPLOYMENT AUTOMATING INFRASTRUCTURE MANAGEMENT CALLING EXTERNAL SERVICES RECEIVING EVENTS FROM OTHER SERVICES PART 1 FIRST STEPS PART 2 BUILDING EVENT DRIVEN APPLICATIONS PART 3 FROM DEVELOPMENT TO PRODUCTION PART 4 USING EXTERNAL SERVICES

## ***LEARN AWS SERVERLESS COMPUTING***

2019-12-24

BUILD DEPLOY TEST AND RUN CLOUD NATIVE SERVERLESS APPLICATIONS USING AWS LAMBDA AND OTHER POPULAR AWS SERVICES KEY FEATURESLEARN HOW TO WRITE RUN AND DEPLOY SERVERLESS APPLICATIONS IN AMAZON SERVICESMAKE THE MOST OF AWS LAMBDA FUNCTIONS TO BUILD SCALABLE AND COST EFFICIENT SYSTEMSBUILD AND DEPLOY SERVERLESS APPLICATIONS WITH AMAZON API GATEWAY AND AWS LAMBDA FUNCTIONSBOOK DESCRIPTION SERVERLESS COMPUTING IS A WAY TO RUN YOUR CODE WITHOUT HAVING TO PROVISION OR MANAGE SERVERS AMAZON SERVICES PROVIDES SERVERLESS SERVICES THAT YOU CAN USE TO BUILD AND DEPLOY CLOUD NATIVE APPLICATIONS STARTING WITH THE BASICS OF AWS LAMBDA THIS BOOK TAKES YOU THROUGH COMBINING LAMBDA WITH OTHER SERVICES FROM AWS SUCH AS AMAZON API GATEWAY AMAZON DYNAMODB AND AMAZON STEP FUNCTIONS YOU LL LEARN HOW TO WRITE RUN AND TEST LAMBDA FUNCTIONS USING EXAMPLES IN NODE JS JAVA PYTHON AND C BEFORE YOU MOVE ON TO DEVELOPING AND DEPLOYING SERVERLESS APIS EFFICIENTLY USING THE SERVERLESS FRAMEWORK IN THE CONCLUDING CHAPTERS YOU LL DISCOVER TIPS AND BEST PRACTICES FOR LEVERAGING SERVERLESS FRAMEWORK TO INCREASE YOUR DEVELOPMENT PRODUCTIVITY BY THE END OF THIS BOOK YOU LL HAVE BECOME WELL VERSED IN BUILDING SECURING AND RUNNING SERVERLESS APPLICATIONS USING AMAZON API GATEWAY AND AWS LAMBDA WITHOUT HAVING TO MANAGE ANY SERVERS WHAT YOU WILL LEARNUNDERSTAND THE CORE CONCEPTS OF SERVERLESS COMPUTING IN AWSCREATE YOUR OWN AWS LAMBDA FUNCTIONS AND BUILD SERVERLESS APIS USING AMAZON API GATEWAYEXPLORE BEST PRACTICES FOR DEVELOPING SERVERLESS APPLICATIONS AT SCALE USING SERVERLESS FRAMEWORKDISCOVER THE DEVOPS PATTERNS IN A MODERN CI CD PIPELINE WITH AWS CODEPIPELINEBUILD SERVERLESS DATA PROCESSING JOBS TO EXTRACT TRANSFORM AND LOAD DATAENFORCE RESOURCE TAGGING POLICIES WITH CONTINUOUS COMPLIANCE AND AWS CONFIGCREATE CHATBOTS WITH NATURAL LANGUAGE UNDERSTANDING TO PERFORM AUTOMATED TASKSWHO THIS BOOK IS FOR THIS AWS BOOK IS FOR CLOUD ARCHITECTS AND DEVELOPERS WHO WANT TO BUILD AND DEPLOY SERVERLESS APPLICATIONS USING AWS LAMBDA A BASIC UNDERSTANDING OF AWS IS REQUIRED TO GET THE MOST OUT OF THIS BOOK

# SERVERLESS PROGRAMMING COOKBOOK

2019-01-31

BUILD SECURE AND DEPLOY REAL WORLD SERVERLESS APPLICATIONS IN AWS AND PEEK INTO THE SERVERLESS CLOUD OFFERINGS FROM AZURE GOOGLE CLOUD AND IBM CLOUD KEY FEATURES BUILD SERVERLESS APPLICATIONS WITH AWS LAMBDA AWS CLOUDFORMATION AND AWS CLOUDWATCH PERFORM DATA ANALYTICS AND NATURAL LANGUAGE PROCESSING NLP ON THE AWS SERVERLESS PLATFORM EXPLORE VARIOUS DESIGN PATTERNS AND BEST PRACTICES INVOLVED IN SERVERLESS COMPUTING BOOK DESCRIPTION MANAGING PHYSICAL SERVERS WILL BE A THING OF THE PAST ONCE YOU'RE ABLE TO HARNESS THE POWER OF SERVERLESS COMPUTING IF YOU'RE ALREADY PREPPED WITH THE BASICS OF SERVERLESS COMPUTING SERVERLESS PROGRAMMING COOKBOOK WILL HELP YOU TAKE THE NEXT STEP AHEAD THIS RECIPE BASED GUIDE PROVIDES SOLUTIONS TO PROBLEMS YOU MIGHT FACE WHILE BUILDING SERVERLESS APPLICATIONS YOU'LL BEGIN BY SETTING UP AMAZON SERVICES AWS THE PRIMARY CLOUD PROVIDER USED FOR MOST RECIPES THE NEXT SET OF RECIPES WILL COVER VARIOUS COMPONENTS TO BUILD A SERVERLESS APPLICATION INCLUDING REST API DATABASE USER MANAGEMENT AUTHENTICATION WEB HOSTING DOMAIN REGISTRATION DNS MANAGEMENT CDN MESSAGING NOTIFICATIONS AND MONITORING THE BOOK ALSO INTRODUCES YOU TO THE LATEST TECHNOLOGY TRENDS SUCH AS DATA STREAMS MACHINE LEARNING AND NLP YOU WILL ALSO SEE PATTERNS AND PRACTICES FOR USING VARIOUS SERVICES IN A REAL WORLD APPLICATION FINALLY TO BROADEN YOUR UNDERSTANDING OF SERVERLESS COMPUTING YOU'LL ALSO COVER GETTING STARTED GUIDES FOR OTHER CLOUD PROVIDERS SUCH AS AZURE GOOGLE CLOUD PLATFORM AND IBM CLOUD BY THE END OF THIS BOOK YOU'LL HAVE ACQUIRED THE SKILLS YOU NEED TO BUILD SERVERLESS APPLICATIONS EFFICIENTLY USING VARIOUS CLOUD OFFERINGS WHAT YOU WILL LEARN SERVERLESS COMPUTING IN AWS AND EXPLORE SERVICES WITH OTHER CLOUDS DEVELOP FULL STACK APPS WITH API GATEWAY COGNITO LAMBDA AND DYNAMODB HOSTING WITH S3 CLOUDFRONT ROUTE 53 AND AWS CERTIFICATE MANAGER SQS AND SNS FOR EFFECTIVE COMMUNICATION BETWEEN MICROSERVICES MONITORING AND TROUBLESHOOTING WITH CLOUDWATCH LOGS AND METRICS EXPLORE KINESIS STREAMS AMAZON ML MODELS AND ALEXA SKILLS KIT WHO THIS BOOK IS FOR FOR DEVELOPERS LOOKING FOR PRACTICAL SOLUTIONS TO COMMON PROBLEMS WHILE BUILDING A SERVERLESS APPLICATION THIS BOOK PROVIDES HELPFUL RECIPES TO GET STARTED WITH THIS INTERMEDIATE LEVEL BOOK KNOWLEDGE OF BASIC PROGRAMMING IS A MUST

## DEVOPS FOR SERVERLESS APPLICATIONS

2018-09-29

SET UP COMPLETE CI AND CD PIPELINES FOR YOUR SERVERLESS APPLICATIONS USING DEVOPS PRINCIPLES KEY FEATURES UNDERSTAND VARIOUS SERVICES FOR DESIGNING SERVERLESS ARCHITECTURE BUILD CD PIPELINES USING VARIOUS CLOUD PROVIDERS FOR YOUR SERVERLESS APPLICATIONS IMPLEMENT DEVOPS BEST PRACTICES WHEN BUILDING SERVERLESS APPLICATIONS BOOK DESCRIPTION SERVERLESS APPLICATIONS ARE BECOMING VERY POPULAR AMONG DEVELOPERS AND ARE GENERATING A BUZZ IN THE TECH MARKET MANY ORGANIZATIONS STRUGGLE WITH THE EFFECTIVE IMPLEMENTATION OF DEVOPS WITH SERVERLESS APPLICATIONS DEVOPS FOR SERVERLESS APPLICATIONS TAKES YOU THROUGH DIFFERENT DEVOPS RELATED SCENARIOS TO GIVE YOU A SOLID FOUNDATION IN SERVERLESS DEPLOYMENT YOU WILL START BY UNDERSTANDING THE CONCEPTS OF SERVERLESS ARCHITECTURE AND DEVELOPMENT AND WHY THEY ARE IMPORTANT THEN YOU WILL GET TO GRIPS WITH THE DEVOPS IDEOLOGY AND GAIN AN UNDERSTANDING OF HOW IT FITS INTO THE SERVERLESS FRAMEWORK YOU'LL COVER DEPLOYMENT FRAMEWORK BUILDING AND DEPLOYMENT WITH CI AND CD PIPELINES FOR SERVERLESS APPLICATIONS YOU WILL ALSO EXPLORE LOG MANAGEMENT AND ISSUE REPORTING IN THE SERVERLESS ENVIRONMENT IN THE CONCLUDING CHAPTERS YOU WILL LEARN IMPORTANT SECURITY TIPS AND BEST PRACTICES FOR SECURE PIPELINE MANAGEMENT BY THE END OF THIS BOOK YOU WILL BE IN A POSITION TO EFFECTIVELY BUILD A COMPLETE CI AND CD DELIVERY PIPELINE WITH LOG MANAGEMENT FOR SERVERLESS APPLICATIONS WHAT YOU WILL LEARN EXPLORE SERVERLESS FUNDAMENTALS AND EFFECTIVELY COMBINE THEM WITH DEVOPS SET UP CI AND CD WITH AWS LAMBDA AND OTHER POPULAR SERVERLESS SERVICE PROVIDERS WITH THE HELP OF THE SERVERLESS FRAMEWORK PERFORM MONITORING AND LOGGING WITH SERVERLESS APPLICATIONS SET UP A DYNAMIC DASHBOARD FOR DIFFERENT SERVICE PROVIDERS DISCOVER BEST PRACTICES FOR APPLYING DEVOPS TO SERVERLESS ARCHITECTURE UNDERSTAND USE CASES FOR DIFFERENT SERVERLESS ARCHITECTURES WHO THIS BOOK IS FOR DEVOPS FOR SERVERLESS APPLICATIONS IS FOR DEVOPS ENGINEERS ARCHITECTS OR ANYONE INTERESTED IN UNDERSTANDING THE DEVOPS IDEOLOGY IN THE SERVERLESS WORLD YOU WILL LEARN TO USE DEVOPS WITH SERVERLESS AND APPLY CONTINUOUS INTEGRATION CONTINUOUS DELIVERY TESTING LOGGING AND MONITORING WITH SERVERLESS

## BEGINNING SERVERLESS ARCHITECTURES WITH MICROSOFT AZURE

2018-07-25

MIGRATING YOUR APPLICATION TO A CLOUD BASED SERVERLESS ARCHITECTURE DOESN'T HAVE TO BE DIFFICULT REDUCE COMPLEXITY AND MINIMIZE THE TIME YOU SPEND ADMINISTERING SERVERS OR WORRYING ABOUT AVAILABILITY WITH THIS COMPREHENSIVE GUIDE TO SERVERLESS APPLICATIONS ON AZURE KEY FEATURES PROVIDES INFORMATION ON INTEGRATION OF AZURE PRODUCTS PLAN AND IMPLEMENT YOUR OWN SERVERLESS BACKEND TO MEET TRIED AND TRUE DEVELOPMENT STANDARDS INCLUDES STEP BY STEP INSTRUCTIONS TO HELP YOU NAVIGATE ADVANCED CONCEPTS AND APPLICATION INTEGRATIONS BOOK DESCRIPTION MANY BUSINESSES ARE RAPIDLY ADOPTING A MICROSERVICES FIRST APPROACH TO DEVELOPMENT DRIVEN BY THE AVAILABILITY OF NEW COMMERCIAL SERVICES LIKE AZURE FUNCTIONS AND AWS LAMBDA IN THIS BOOK WE'LL SHOW YOU HOW TO QUICKLY GET UP AND RUNNING WITH YOUR OWN SERVERLESS DEVELOPMENT ON MICROSOFT AZURE WE START BY WORKING THROUGH A SINGLE FUNCTION AND WORK TOWARDS INTEGRATION WITH OTHER AZURE SERVICES LIKE APP INSIGHTS AND COSMOS DB TO HANDLE COMMON USER REQUIREMENTS LIKE ANALYTICS AND HIGHLY PERFORMANT DISTRIBUTED STORAGE WE FINISH UP BY PROVIDING YOU WITH THE CONTEXT YOU NEED TO GET STARTED ON A LARGER PROJECT OF YOUR OWN CHOOSING LEAVING YOU EQUIPPED WITH EVERYTHING YOU NEED TO MIGRATE TO A CLOUD FIRST SERVERLESS SOLUTION WHAT YOU WILL LEARN IDENTIFY THE KEY ADVANTAGES AND DISADVANTAGES OF SERVERLESS DEVELOPMENT BUILD A FULLY FUNCTIONING SERVERLESS APPLICATION AND UTILIZE A WIDE VARIETY OF AZURE SERVICES CREATE DEPLOY AND MANAGE YOUR OWN AZURE FUNCTIONS IN THE CLOUD IMPLEMENT CORE DESIGN PRINCIPLES FOR WRITING EFFECTIVE SERVERLESS CODE WHO THIS BOOK IS FOR THIS BOOK IS IDEAL FOR BACK END DEVELOPERS OR ENGINEERS WHO WANT A QUICK HANDS ON INTRODUCTION TO DEVELOPING SERVERLESS APPLICATIONS WITHIN THE MICROSOFT ECOSYSTEM

## MASTERING AWS LAMBDA

2017-08-11

BUILD COST EFFECTIVE AND HIGHLY SCALABLE SERVERLESS APPLICATIONS USING AWS LAMBDA ABOUT THIS BOOK LEVERAGE AWS LAMBDA TO SIGNIFICANTLY LOWER YOUR INFRASTRUCTURE COSTS AND DEPLOY OUT MASSIVELY SCALABLE EVENT DRIVEN SYSTEMS AND APPLICATIONS LEARN HOW TO DESIGN AND BUILD LAMBDA FUNCTIONS USING REAL WORLD EXAMPLES AND IMPLEMENTATION SCENARIOS EXPLORE THE SERVERLESS ECOSYSTEM WITH A VARIETY OF TOOLSETS AND AWS SERVICES INCLUDING DYNAMODB API GATEWAY AND MUCH MORE WHO THIS BOOK IS FOR IF YOU ARE A CLOUD ADMINISTRATOR AND OR DEVELOPER WHO WISHES TO EXPLORE LEARN AND LEVERAGE AWS LAMBDA TO DESIGN BUILD AND DEPLOY SERVERLESS APPLICATIONS IN THE CLOUD THEN THIS IS THE BOOK FOR YOU THE BOOK ASSUMES YOU HAVE SOME PRIOR KNOWLEDGE AND HANDS ON EXPERIENCE WITH AWS CORE SERVICES SUCH AS EC2 IAM S3 ALONG WITH THE KNOWLEDGE TO WORK WITH ANY POPULAR PROGRAMMING LANGUAGE SUCH AS NODE JS JAVA C AND SO ON WHAT YOU WILL LEARN UNDERSTAND THE HYPE SIGNIFICANCE AND BUSINESS BENEFITS OF SERVERLESS COMPUTING AND APPLICATIONS PLUNGE INTO THE SERVERLESS WORLD OF AWS LAMBDA AND MASTER ITS CORE COMPONENTS AND HOW IT WORKS FIND OUT HOW TO EFFECTIVELY AND EFFICIENTLY DESIGN DEVELOP AND TEST LAMBDA FUNCTIONS USING NODE JS ALONG WITH SOME KEEN CODING INSIGHTS AND BEST PRACTICES EXPLORE BEST PRACTICES TO EFFECTIVELY MONITOR AND TROUBLESHOOT SERVERLESS APPLICATIONS USING AWS CLOUDWATCH AND OTHER THIRD PARTY SERVICES IN THE FORM OF DATADOG AND LOGGLY QUICKLY DESIGN AND DEVELOP SERVERLESS APPLICATIONS BY LEVERAGING AWS LAMBDA DYNAMODB AND API GATEWAY USING THE SERVERLESS APPLICATION FRAMEWORK SAF AND OTHER AWS SERVICES SUCH AS STEP FUNCTIONS EXPLORE A RICH VARIETY OF REAL WORLD SERVERLESS USE CASES WITH LAMBDA AND SEE HOW YOU CAN APPLY IT TO YOUR ENVIRONMENTS IN DETAIL AWS IS RECOGNIZED AS ONE OF THE BIGGEST MARKET LEADERS FOR CLOUD COMPUTING AND WHY NOT IT HAS EVOLVED A LOT SINCE THE TIME IT STARTED OUT BY PROVIDING JUST BASIC SERVICES SUCH AS EC2 AND S3 AND TODAY THEY GO ALL THE WAY FROM IOT TO MACHINE LEARNING IMAGE RECOGNITION CHATBOT FRAMEWORKS AND MUCH MORE ONE OF THOSE RECENT SERVICES THAT IS ALSO GAINING A LOT OF TRACTION IS AWS LAMBDA ALTHOUGH SEEMINGLY SIMPLE AND EASY TO USE LAMBDA IS A HIGHLY EFFECTIVE AND SCALABLE COMPUTE SERVICE THAT PROVIDES DEVELOPERS WITH A POWERFUL PLATFORM TO DESIGN AND DEVELOP SERVERLESS EVENT DRIVEN SYSTEMS AND APPLICATIONS THE BOOK BEGINS WITH A HIGH LEVEL INTRODUCTION INTO THE WORLD OF SERVERLESS COMPUTING AND ITS ADVANTAGES AND USE CASES FOLLOWED BY A DEEP DIVE INTO AWS LAMBDA YOU LL LEARN WHAT SERVICES AWS LAMBDA PROVIDES TO DEVELOPERS HOW TO DESIGN WRITE AND TEST LAMBDA FUNCTIONS AS WELL AS MONITOR AND TROUBLESHOOT THEM THE BOOK IS DESIGNED AND ACCOMPANIED WITH A VAST VARIETY OF REAL WORLD EXAMPLES USE CASES AND CODE SAMPLES THAT WILL ENABLE YOU TO GET STARTED ON YOUR SERVERLESS APPLICATIONS QUICKLY BY THE END OF THE BOOK YOU WILL HAVE GAINED ALL THE SKILLS REQUIRED TO WORK WITH AWS LAMBDA SERVICES STYLE AND APPROACH THIS STEP BY STEP GUIDE WILL HELP YOU BUILD SERVERLESS APPLICATIONS AND RUN SERVERLESS WORKLOADS USING THE AWS LAMBDA SERVICE YOU LL BE ABLE TO GET STARTED WITH IT IN A MATTER OF MINUTES WITH EASY TO FOLLOW CODE SNIPPETS AND EXAMPLES

## MONETIZING MACHINE LEARNING

2018-09-12

TAKE YOUR PYTHON MACHINE LEARNING IDEAS AND CREATE SERVERLESS WEB APPLICATIONS ACCESSIBLE BY ANYONE WITH AN INTERNET CONNECTION SOME OF THE MOST POPULAR SERVERLESS CLOUD PROVIDERS ARE COVERED IN THIS BOOK AMAZON MICROSOFT GOOGLE AND PYTHONANYWHERE YOU WILL WORK THROUGH A SERIES OF COMMON PYTHON DATA SCIENCE PROBLEMS IN AN INCREASING ORDER OF COMPLEXITY THE PRACTICAL PROJECTS PRESENTED IN THIS BOOK ARE SIMPLE CLEAR AND CAN BE USED AS TEMPLATES TO JUMP START MANY OTHER TYPES OF PROJECTS YOU WILL LEARN TO CREATE A WEB APPLICATION AROUND NUMERICAL OR CATEGORICAL PREDICTIONS UNDERSTAND THE ANALYSIS OF TEXT CREATE POWERFUL AND INTERACTIVE PRESENTATIONS SERVE RESTRICTED ACCESS TO DATA AND LEVERAGE WEB PLUGINS TO ACCEPT CREDIT CARD PAYMENTS AND DONATIONS YOU WILL GET YOUR PROJECTS INTO THE HANDS OF THE WORLD IN NO TIME EACH CHAPTER FOLLOWS THREE STEPS MODELING THE RIGHT WAY DESIGNING AND DEVELOPING A LOCAL WEB APPLICATION AND DEPLOYING ONTO A POPULAR AND RELIABLE SERVERLESS CLOUD PROVIDER YOU CAN EASILY JUMP TO OR SKIP PARTICULAR TOPICS IN THE BOOK YOU ALSO WILL HAVE ACCESS TO JUPYTER NOTEBOOKS AND CODE REPOSITORIES FOR COMPLETE VERSIONS OF THE CODE COVERED IN THE BOOK WHAT YOU LL LEARN EXTEND YOUR MACHINE LEARNING MODELS USING SIMPLE TECHNIQUES TO CREATE COMPELLING AND INTERACTIVE WEB DASHBOARDS LEVERAGE THE FLASK WEB FRAMEWORK FOR RAPID PROTOTYPING OF YOUR PYTHON MODELS AND IDEASCREATE DYNAMIC CONTENT POWERED BY REGRESSION COEFFICIENTS LOGISTIC REGRESSIONS GRADIENT BOOSTING MACHINES BAYESIAN CLASSIFICATIONS AND MORE HARNESS THE POWER OF TENSORFLOW BY EXPORTING SAVED MODELS INTO WEB APPLICATIONS CREATE RICH WEB DASHBOARDS TO HANDLE COMPLEX REAL TIME USER INPUT WITH JAVASCRIPT AND AJAX TO YIELD INTERACTIVE AND TAILORED CONTENTCREATE DASHBOARDS WITH PAYWALLS TO OFFER SUBSCRIPTION BASED ACCESSACCESS API DATA SUCH AS GOOGLE MAPS OPENWEATHER ETC APPLY DIFFERENT APPROACHES TO MAKE SENSE OF TEXT DATA AND RETURN CUSTOMIZED INTELLIGENCE BUILD AN INTUITIVE AND USEFUL RECOMMENDATION SITE TO ADD VALUE TO USERS AND ENTICE THEM TO KEEP COMING BACK UTILIZE THE FREEMIUM OFFERINGS OF GOOGLE ANALYTICS AND ANALYZE THE RESULTS TAKE YOUR IDEAS ALL THE WAY TO YOUR CUSTOMER S PLATE USING THE TOP SERVERLESS CLOUD PROVIDERS WHO THIS BOOK IS FOR THOSE WITH SOME PROGRAMMING EXPERIENCE WITH PYTHON CODE EDITING AND ACCESS TO AN INTERPRETER IN WORKING ORDER THE BOOK IS GEARED TOWARD ENTREPRENEURS WHO WANT TO GET THEIR IDEAS ONTO THE WEB WITHOUT BREAKING THE BANK SMALL COMPANIES WITHOUT AN IT STAFF STUDENTS WANTING EXPOSURE AND TRAINING AND FOR ALL DATA SCIENCE PROFESSIONALS READY TO TAKE THINGS TO THE NEXT LEVEL

## BUILDING SERVERLESS ARCHITECTURES

2017-07-19

BUILD SCALABLE RELIABLE AND COST EFFECTIVE APPLICATIONS WITH A SERVERLESS ARCHITECTURE ABOUT THIS BOOK DESIGN A REAL WORLD SERVERLESS APPLICATION FROM SCRATCH LEARN ABOUT AWS LAMBDA FUNCTION AND HOW TO USE LAMBDA FUNCTIONS TO GLUE OTHER AWS SERVICES USE THE JAVA PROGRAMMING LANGUAGE AND WELL KNOWN DESIGN PATTERNS ALTHOUGH JAVA IS USED FOR THE EXAMPLES IN THIS BOOK THE CONCEPT IS APPLICABLE ACROSS ALL LANGUAGES LEARN TO MIGRATE YOUR JAX RS APPLICATION TO AWS LAMBDA AND API GATEWAY WHO THIS BOOK IS FOR THIS BOOK IS FOR DEVELOPERS AND SOFTWARE ARCHITECTS WHO ARE INTERESTED IN DESIGNING ON THE BACK END SINCE THE BOOK USES JAVA TO TEACH CONCEPTS KNOWLEDGE OF JAVA IS REQUIRED WHAT YOU WILL LEARN LEARN TO FORM MICROSERVICES FROM BIGGER SOFTWARES ORCHESTRATE AND SCALE MICROSERVICES DESIGN AND SET UP THE DATA FLOW BETWEEN CLOUD SERVICES AND CUSTOM BUSINESS LOGIC GET TO GRIPS WITH CLOUD PROVIDER S APIS LIMITATIONS AND KNOWN ISSUES MIGRATE EXISTING JAVA APPLICATIONS TO A SERVERLESS ARCHITECTURE ACQUIRE DEPLOYMENT STRATEGIES BUILD A HIGHLY AVAILABLE AND SCALABLE DATA PERSISTENCE LAYER UNRAVEL COST OPTIMIZATION TECHNIQUES IN DETAIL OVER THE PAST YEARS ALL KIND OF COMPANIES FROM START UPS TO GIANT ENTERPRISES STARTED THEIR MOVE TO PUBLIC CLOUD PROVIDERS IN ORDER TO SAVE THEIR COSTS AND REDUCE THE OPERATION EFFORT NEEDED TO KEEP THEIR SHOPS OPEN NOW IT IS EVEN POSSIBLE TO CRAFT A COMPLEX SOFTWARE SYSTEM CONSISTING OF MANY INDEPENDENT MICRO FUNCTIONS THAT WILL RUN ONLY WHEN THEY ARE NEEDED WITHOUT NEEDING TO MAINTAIN INDIVIDUAL SERVERS THE FOCUS OF THIS BOOK IS TO DESIGN SERVERLESS ARCHITECTURES AND WEIGH THE ADVANTAGES AND DISADVANTAGES OF THIS APPROACH ALONG WITH DECISION FACTORS TO CONSIDER YOU WILL LEARN HOW TO DESIGN A SERVERLESS APPLICATION GET TO KNOW



THAT KEY POINTS OF SERVICES THAT SERVERLESS APPLICATIONS ARE BASED ON AND KNOWN ISSUES AND SOLUTIONS THE BOOK ADDRESSES KEY CHALLENGES SUCH AS HOW TO SLICE OUT THE CORE FUNCTIONALITY OF THE SOFTWARE TO BE DISTRIBUTED IN DIFFERENT CLOUD SERVICES AND CLOUD FUNCTIONS IT COVERS BASIC AND ADVANCED USAGE OF THESE SERVICES TESTING AND SECURING THE SERVERLESS SOFTWARE AUTOMATING DEPLOYMENT AND MORE BY THE END OF THE BOOK YOU WILL BE EQUIPPED WITH KNOWLEDGE OF NEW TOOLS AND TECHNIQUES TO KEEP UP WITH THIS EVOLUTION IN THE IT INDUSTRY STYLE AND APPROACH THE BOOK TAKES A PRAGMATIC APPROACH SHOWING YOU ALL THE EXAMPLES YOU NEED TO BUILD EFFICIENT SERVERLESS APPLICATIONS

## PROGRAMMING AWS LAMBDA

2020-03-18

SERVERLESS REVOLUTIONIZES THE WAY ORGANIZATIONS BUILD AND DEPLOY SOFTWARE WITH THIS HANDS ON GUIDE JAVA ENGINEERS WILL LEARN HOW TO USE THEIR EXPERIENCE IN THE NEW WORLD OF SERVERLESS COMPUTING YOU LL DISCOVER HOW THIS CLOUD COMPUTING EXECUTION MODEL CAN DRASTICALLY DECREASE THE COMPLEXITY IN DEVELOPING AND OPERATING APPLICATIONS WHILE REDUCING COSTS AND TIME TO MARKET ENGINEERING LEADERS JOHN CHAPIN AND MIKE ROBERTS GUIDE YOU THROUGH THE PROCESS OF DEVELOPING THESE APPLICATIONS USING AWS LAMBDA AMAZON S EVENT DRIVEN SERVERLESS COMPUTING PLATFORM YOU LL LEARN HOW TO PREPARE THE DEVELOPMENT ENVIRONMENT PROGRAM LAMBDA FUNCTIONS AND DEPLOY AND OPERATE YOUR SERVERLESS SOFTWARE THE CHAPTERS INCLUDE EXERCISES TO HELP YOU THROUGH EACH ASPECT OF THE PROCESS GET AN INTRODUCTION TO SERVERLESS FUNCTIONS AS A SERVICE AND AWS LAMBDA LEARN HOW TO DEPLOY WORKING LAMBDA FUNCTIONS TO THE CLOUD PROGRAM LAMBDA FUNCTIONS AND LEARN HOW THE LAMBDA PLATFORM INTEGRATES WITH OTHER AWS SERVICES BUILD AND PACKAGE JAVA BASED LAMBDA CODE AND DEPENDENCIES CREATE SERVERLESS APPLICATIONS BY BUILDING A SERVERLESS API AND DATA PIPELINE TEST YOUR SERVERLESS APPLICATIONS USING AUTOMATED TECHNIQUES APPLY ADVANCED TECHNIQUES TO BUILD PRODUCTION READY APPLICATIONS UNDERSTAND BOTH THE GOTCHAS AND NEW OPPORTUNITIES OF SERVERLESS ARCHITECTURE

## SERVERLESS SINGLE PAGE APPS

2016

AMAZON SERVICES AWS CHAPTER2 AWS CHAPTER3 CHAPTER4 TWITTER CHAPTER5 AWS SAM AWS SAM AWS X RAY

## AMAZON WEB SERVICES

2018-03-14

MASTER SERVERLESS ARCHITECTURES IN PYTHON AND THEIR IMPLEMENTATION WITH ZAPPA ON THREE DIFFERENT FRAMEWORKS KEY FEATURES SCALABLE SERVERLESS PYTHON WEB SERVICES USING DJANGO FLASK AND PYRAMID LEARN ASYNCHRONOUS TASK EXECUTION ON AWS LAMBDA AND SCHEDULING USING ZAPPA IMPLEMENTING ZAPPA IN A DOCKER CONTAINER BOOK DESCRIPTION SERVERLESS APPLICATIONS ARE BECOMING VERY POPULAR THESE DAYS NOT JUST BECAUSE THEY SAVE DEVELOPERS THE TROUBLE OF MANAGING THE SERVERS BUT ALSO BECAUSE THEY PROVIDE SEVERAL OTHER BENEFITS SUCH AS CUTTING HEAVY COSTS AND IMPROVING THE OVERALL PERFORMANCE OF THE APPLICATION THIS BOOK WILL HELP YOU BUILD SERVERLESS APPLICATIONS IN A QUICK AND EFFICIENT WAY WE BEGIN WITH AN INTRODUCTION TO AWS AND THE API GATEWAY THE ENVIRONMENT FOR SERVERLESS DEVELOPMENT AND ZAPPA WE THEN LOOK AT BUILDING TESTING AND DEPLOYING APPS IN AWS WITH THREE DIFFERENT FRAMEWORKS FLASK DJANGO AND PYRAMID SETTING UP A CUSTOM DOMAIN ALONG WITH SSL CERTIFICATES AND CONFIGURING THEM WITH ZAPPA IS ALSO COVERED A FEW ADVANCED ZAPPA SETTINGS ARE ALSO COVERED ALONG WITH SECURING ZAPPA WITH AWS VPC BY THE END OF THE BOOK YOU WILL HAVE MASTERED USING THREE FRAMEWORKS TO BUILD ROBUST AND COST EFFICIENT SERVERLESS APPS IN PYTHON WHAT YOU WILL LEARN BUILD TEST AND DEPLOY A SIMPLE WEB SERVICE USING AWS CLI INTEGRATE FLASK BASED PYTHON APPLICATIONS VIA AWS CLI CONFIGURATION DESIGN REST APIS INTEGRATED WITH ZAPPA FOR FLASK AND DJANGO CREATE A PROJECT IN THE PYRAMID FRAMEWORK AND CONFIGURE IT WITH ZAPPA GENERATE SSL CERTIFICATES USING AMAZON CERTIFICATE MANAGER CONFIGURE CUSTOM DOMAINS WITH AWS ROUTE 53 CREATE A DOCKER CONTAINER SIMILAR TO AWS LAMBDA WHO THIS BOOK IS FOR PYTHON DEVELOPERS WHO ARE INTERESTED IN LEARNING HOW TO DEVELOP FAST AND HIGHLY SCALABLE SERVERLESS APPLICATIONS IN PYTHON WILL FIND THIS BOOK USEFUL

## **BUILDING SERVERLESS PYTHON WEB SERVICES WITH ZAPPA**

2018-07-30

BUILD COMPLEX OBSERVABLE AND FAULT TOLERANT SERVERLESS SYSTEMS EASILY ON MICROSOFT AZURE KEY FEATURESUSE SERVERLESS SYSTEMS TO HELP YOU FULFILL COMPLEX REQUIREMENTS DEVELOP YOUR KNOWLEDGE OF AZURE MICROSOFT SERVERLESSUNDERSTAND CONCEPTS WITH A HANDS ON APPROACH AND HELPFUL EXAMPLESBOOK DESCRIPTION ADVANCED SERVERLESS ARCHITECTURES WITH MICROSOFT AZURE REDEFINES YOUR EXPERIENCE OF DESIGNING SERVERLESS SYSTEMS IT SHOWS YOU HOW TO TACKLE CHALLENGES OF VARYING LEVELS NOT JUST THE STRAIGHTFORWARD ONES YOU LL BE LEARNING HOW TO DELIVER FEATURES QUICKLY BY BUILDING SYSTEMS WHICH RETAIN THE SCALABILITY AND BENEFITS OF SERVERLESS YOU LL BEGIN YOUR JOURNEY BY LEARNING HOW TO BUILD A SIMPLE COMPLETELY SERVERLESS APPLICATION THEN YOU LL BUILD A HIGHLY SCALABLE SOLUTION USING A QUEUE LOAD MESSAGES ONTO THE QUEUE AND READ THEM ASYNCHRONOUSLY TO BOOST YOUR KNOWLEDGE FURTHER THE BOOK ALSO FEATURES DURABLE FUNCTIONS AND WAYS TO USE THEM TO SOLVE ERRORS IN A COMPLEX SYSTEM YOU LL THEN LEARN ABOUT SECURITY BY BUILDING A SECURITY SOLUTION FROM SERVERLESS COMPONENTS NEXT YOU LL GAIN AN UNDERSTANDING OF OBSERVABILITY AND WAYS TO LEVERAGE APPLICATION INSIGHTS TO BRING YOU PERFORMANCE BENEFITS AS YOU APPROACH THE CONCLUDING

CHAPTERS YOU WILL EXPLORE CHAOS ENGINEERING AND THE BENEFITS OF RESILIENCE BY ACTIVELY SWITCHING OFF A FEW OF THE FUNCTIONS WITHIN A COMPLEX SYSTEM SUBMITTING A REQUEST AND OBSERVING THE RESULTING BEHAVIOR BY THE END OF THIS BOOK YOU WILL HAVE DEVELOPED THE SKILLS YOU NEED TO BUILD AND MAINTAIN INCREASINGLY COMPLEX SYSTEMS THAT MATCH EVOLVING PLATFORM REQUIREMENTS WHAT YOU WILL LEARN UNDERSTAND WHAT TRUE SERVERLESS ARCHITECTURE IS STUDY HOW TO EXTEND AND SCALE ARCHITECTURES UNTIL THEY BECOME COMPLEX IMPLEMENT DURABLE FUNCTIONS IN YOUR DESIGN IMPROVE THE OBSERVABILITY OF YOUR SERVERLESS ARCHITECTURE IMPLEMENT SECURITY SOLUTIONS USING SERVERLESS SERVICES LEARN HOW TO PRACTISE CHAOS ENGINEERING IN PRODUCTION WHO THIS BOOK IS FOR ADVANCED SERVERLESS ARCHITECTURES WITH MICROSOFT AZURE IS IDEAL IF YOU WANT TO BUILD SERVERLESS SYSTEMS WITH FEWER OUTAGES AND HIGH PERFORMANCE USING AZURE FAMILIARITY WITH THE C SYNTAX AND AZURE FUNCTIONS AND ARM TEMPLATES WILL HELP YOU TO BENEFIT MORE FROM THIS BOOK PRIOR KNOWLEDGE OF BASIC FRONT END DEVELOPMENT HTML JS AND CSS IS BENEFICIAL BUT NOT ESSENTIAL SOME DEVOPS KNOWLEDGE IS ALSO BENEFICIAL BUT NOT ESSENTIAL

## ADVANCED SERVERLESS ARCHITECTURES WITH MICROSOFT AZURE

2019-02-28

SERVERLESS COMPUTING GREATLY SIMPLIFIES SOFTWARE DEVELOPMENT YOUR TEAM CAN FOCUS SOLELY ON YOUR APPLICATION WHILE THE CLOUD PROVIDER MANAGES THE SERVERS YOU NEED THIS PRACTICAL GUIDE SHOWS YOU STEP BY STEP HOW TO BUILD AND DEPLOY COMPLEX APPLICATIONS IN A FLEXIBLE MULTICLOUD MULTILANGUAGE ENVIRONMENT USING APACHE OPENWHISK YOU WILL LEARN HOW THIS PLATFORM ENABLES YOU TO PURSUE A VENDOR INDEPENDENT APPROACH USING PRECONFIGURED CONTAINERS MICROSERVICES AND KUBERNETES AS YOUR CLOUD OPERATING SYSTEM MICHELE SCIABARRA DEMONSTRATES HOW TO BUILD A SERVERLESS APPLICATION USING CLASSICAL DESIGN PATTERNS AND THE PROGRAMMING LANGUAGE OR LANGUAGES THAT BEST FIT YOUR TASK YOU WILL START BY BUILDING A SIMPLE SERVERLESS APPLICATION HANDS ON BEFORE DIVING INTO THE MORE COMPLEX ASPECTS OF THE OPENWHISK PLATFORM EXAMINE HOW OPENWHISK'S SERVERLESS ARCHITECTURE WORKS INCLUDING THE USE OF PACKAGES ACTIONS SEQUENCES TRIGGERS RULES AND FEEDS LEARN HOW OPENWHISK COMPARES TO EXISTING ARCHITECTURES SUCH AS JAVA ENTERPRISE EDITION MANIPULATE OPENWHISK FEATURES USING THE COMMAND LINE INTERFACE OR A JAVASCRIPT API DESIGN APPLICATIONS USING COMMON GANG OF FOUR DESIGN PATTERNS USE ARCHITECTURAL DESIGN PATTERNS SUCH AS MODEL VIEW CONTROLLER TO COMBINE SEVERAL OPENWHISK ACTIONS LEARN HOW TO TEST AND DEBUG YOUR CODE IN A SERVERLESS ENVIRONMENT

## LEARNING APACHE OPENWHISK

2019-07-03

WITH A NEW GENERATION OF SERVICES AND FRAMEWORKS FRONTEND AND MOBILE DEVELOPERS CAN USE THEIR EXISTING SKILL SET TO BUILD FULL STACK APPLICATIONS BY LEVERAGING THE CLOUD DEVELOPERS CAN BUILD ROBUST APPLICATIONS WITH PRODUCTION READY FEATURES SUCH AS AUTHENTICATION APIS DATA LAYERS MACHINE LEARNING CHATBOTS AND AR SCENES MORE EASILY THAN EVER BY TAKING ADVANTAGE OF THESE NEW SERVERLESS AND CLOUD TECHNOLOGIES THIS PRACTICAL GUIDE EXPLAINS HOW NADER DABIT DEVELOPER ADVOCATE AT AMAZON SERVICES SHOWS DEVELOPERS HOW TO BUILD FULL STACK APPLICATIONS USING REACT AWS GRAPHQL AND THE AMPLIFY FRAMEWORK YOU WILL LEARN HOW TO CREATE AND INCORPORATE SERVICES INTO YOUR CLIENT APPLICATIONS WHILE EXPLORING GENERAL BEST PRACTICES DEPLOYMENT STRATEGIES CONTINUOUS INTEGRATION AND DELIVERY AND RICH MEDIA MANAGEMENT ALONG THE WAY LEARN HOW TO BUILD APPLICATIONS THAT SOLVE REAL PROBLEMS UNDERSTAND WHAT IS AND ISN'T POSSIBLE WHEN USING THESE TECHNOLOGIES EXAMINE HOW AUTHENTICATION WORKS AND LEARN THE DIFFERENCE BETWEEN AUTHENTICATION AND AUTHORIZATION DISCOVER HOW SERVERLESS FUNCTIONS WORK AND WHY THEY'RE IMPORTANT USE GRAPHQL IN YOUR APPLICATION AND LEARN WHY IT'S IMPORTANT LEARN HOW TO BUILD FULL STACK APPLICATIONS ON AWS

## FULL STACK SERVERLESS

2020-10-13

DESIGN DEVELOP BUILD AND DELIVER AN END TO END SERVERLESS ARCHITECTURE BY LEVERAGING AZURE SERVICES FRAMEWORKS AND TOOLS THIS BOOK OFFERS A HOLISTIC APPROACH GUIDING YOU THROUGH THE DESIGN AND DEVELOPMENT OF A TWITTER BOT APPLICATION WHILE LEVERAGING AZURE FUNCTIONS INTEGRATING SERVERLESS ARCHITECTURE BEGINS WITH AN OVERVIEW OF SERVERLESS COMPUTING AND GETTING STARTED WITH AZURE FUNCTIONS HERE YOU WILL CREATE A TWITTER BOT FUNCTION WHICH SCANS TWITTER FOR THE LATEST TWEETS AND MAKES USE OF DEPENDENCY INJECTION FURTHER YOU WILL LEARN ABOUT AZURE COSMOS DB WHERE YOU WILL COVER ITS CHANGE FEED MECHANISM AND THE REPOSITORY PATTERN YOU WILL CREATE A COSMOS DB TRIGGER BASED TWEET NOTIFIER FUNCTION WHICH WILL BROADCAST THE LATEST TWEETS TO CONNECTED CLIENTS YOU WILL EXPLORE THE BASICS OF AZURE SERVICE BUS AND CREATE A TWEET SCHEDULER FUNCTION WHICH WILL PRIORITIZE DIFFERENT KEYWORDS FOR THE TWITTER BOT FUNCTION ALONG THE WAY YOU WILL DEBUG DELIVER AND TEST THE FUNCTIONS IN THE AZURE ENVIRONMENT THIS BOOK SHOWS YOU HOW TO SECURE YOUR AZURE FUNCTION SECRETS WITH THE HELP OF AZURE KEY VAULT TO FURTHER YOUR UNDERSTANDING OF THE TECHNOLOGY YOU WILL LEARN LOGGING AND EXCEPTION HANDLING IN AZURE FUNCTIONS LATER IN THE BOOK YOU WILL BUILD A TWITTER BOT WEB APPLICATION BY USING ASP NET CORE AND MATERIALIZE CSS WHICH WILL INTERACT WITH SEVERAL HTTP BASED AZURE FUNCTIONS THE TWITTER BOT WEB APPLICATION ALLOWS USERS TO LOG IN THROUGH THE TWITTER IDENTITY PROVIDER SUBSCRIBE TO DIFFERENT KEYWORDS HASHTAGS AND BROWSE THE LATEST TWEETS BASED ON SUBSCRIPTIONS YOU WILL GET STARTED WITH SIGNALR SERVICE AND INTEGRATE IT WITH AZURE FUNCTIONS AND WEB APPLICATIONS TOWARDS THE END YOU WILL GO THROUGH APP SERVICE AUTHENTICATION ON AZURE FUNCTIONS AND DISCOVER HOW TO CONFIGURE CONTINUOUS INTEGRATION AND DELIVERY TO AZURE FUNCTIONS AFTER READING THIS BOOK YOU WILL BE ABLE TO UNDERSTAND THE STEPS INVOLVED IN DESIGN DEVELOPMENT AND DELIVERY OF A WORKFLOW USING AZURE FUNCTIONS WHAT YOU WILL LEARN DESIGN AND DEVELOP A TWITTER BOT APPLICATION USING AZURE FUNCTIONS WITH AZURE APP SERVICE AS THE FRONT END LEVERAGE AZURE COSMOS DB AS DATA STORAGE AND TRIGGER NOTIFICATIONS USING ITS CHANGE FEED MECHANISM STORE AND RETRIEVE SECRETS FROM AZURE KEY VAULT INTEGRATE AZURE FUNCTIONS WITH AZURE SIGNALR SERVICE TO BROADCAST REAL TIME MESSAGES SECURE AZURE FUNCTIONS BY ENABLING TWITTER IDENTITY AUTHENTICATION USING BUILT IN APP SERVICE AUTHENTICATION BUILD A CONTINUOUS INTEGRATION AND CONTINUOUS DELIVERY PIPELINE FOR AZURE FUNCTIONS USING VISUAL STUDIO TEAM SERVICES VSTS WHO THIS BOOK IS FOR DEVELOPERS SOFTWARE ENGINEERS AND ARCHITECTS WHO DESIGN AND MANAGE INFRASTRUCTURES AND BUILD APPLICATIONS BY LEVERAGING MICROSOFT CLOUD SERVICES

# INTEGRATING SERVERLESS ARCHITECTURE

2019-05-27

GET UP AND RUNNING WITH SERVERLESS WORKLOADS ACROSS AWS AZURE GCP KUBERNETES AND VIRTUAL MACHINES WITH REAL LIFE EXAMPLES AND BEST PRACTICES FOR DESIGN DEVELOPMENT AND SECURITY OF SERVERLESS APPLICATIONS PURCHASE OF THE PRINT OR KINDLE BOOK INCLUDES A FREE PDF EBOOK KEY FEATURES LEARN WITH DIY PROJECTS AND STEP BY STEP INSTRUCTIONS FOR DIFFERENT SERVERLESS TECHNOLOGIES AND VENDORS EXPLORE DETAILED SECTIONS ON RUNNING SERVERLESS WORKLOADS ACROSS KUBERNETES AND VIRTUAL MACHINES DISCOVER CLOUDFLARE SERVERLESS SOLUTIONS TO MODERNIZE YOUR WEB APPLICATIONS BOOK DESCRIPTION SERVERLESS COMPUTING HAS EMERGED AS A MAINSTREAM PARADIGM IN BOTH CLOUD AND ON PREMISES COMPUTING WITH AWS LAMBDA PLAYING A PIVOTAL ROLE IN SHAPING THE FUNCTION AS A SERVICE FAAS LANDSCAPE HOWEVER WITH THE EXPLOSION OF SERVERLESS TECHNOLOGIES AND VENDORS IT HAS BECOME INCREASINGLY CHALLENGING TO COMPREHEND THE FOUNDATIONAL SERVICES AND THEIR OFFERINGS ARCHITECTING CLOUD NATIVE SERVERLESS SOLUTIONS LAYS A STRONG FOUNDATION FOR UNDERSTANDING THE SERVERLESS LANDSCAPE AND TECHNOLOGIES IN A VENDOR AGNOSTIC MANNER YOU LL LEARN HOW TO SELECT THE APPROPRIATE CLOUD VENDORS AND TECHNOLOGIES BASED ON YOUR SPECIFIC NEEDS IN ADDITION YOU LL DIVE DEEP INTO THE SERVERLESS SERVICES ACROSS AWS GCP AZURE AND CLOUDFLARE FOLLOWED BY OPEN SOURCE SERVERLESS TOOLS SUCH AS KNATIVE OPENFAAS AND OPENWHISK ALONG WITH EXAMPLES YOU LL EXPLORE SERVERLESS SOLUTIONS ON KUBERNETES THAT CAN BE DEPLOYED ON BOTH CLOUD HOSTED CLUSTERS AND ON PREMISES ENVIRONMENTS WITH REAL WORLD USE CASES FURTHERMORE YOU LL EXPLORE DEVELOPMENT FRAMEWORKS DEVOPS APPROACHES BEST PRACTICES SECURITY CONSIDERATIONS AND DESIGN PRINCIPLES ASSOCIATED WITH SERVERLESS COMPUTING BY THE END OF THIS SERVERLESS BOOK YOU LL BE WELL EQUIPPED TO SOLVE YOUR BUSINESS PROBLEMS BY USING THE APPROPRIATE SERVERLESS VENDORS AND TECHNOLOGIES TO BUILD EFFICIENT AND COST EFFECTIVE SERVERLESS SYSTEMS INDEPENDENTLY WHAT YOU WILL LEARN UNDERSTAND THE SERVERLESS LANDSCAPE AND ITS POTENTIAL BUILD SERVERLESS SOLUTIONS ACROSS AWS AZURE AND GCP DEVELOP AND RUN SERVERLESS APPLICATIONS ON KUBERNETES IMPLEMENT OPEN SOURCE FAAS WITH KNATIVE OPENFAAS AND OPENWHISK MODERNIZE WEB ARCHITECTURE WITH CLOUDFLARE SERVERLESS DISCOVER POPULAR SERVERLESS FRAMEWORKS AND DEVOPS FOR SERVERLESS EXPLORE SOFTWARE DESIGN AND SERVERLESS ARCHITECTURE PATTERNS ACQUIRE AN UNDERSTANDING OF SERVERLESS DEVELOPMENT AND SECURITY BEST PRACTICES WHO THIS BOOK IS FOR THIS BOOK IS FOR DEVOPS PLATFORM CLOUD SITE RELIABILITY ENGINEERS OR APPLICATION DEVELOPERS LOOKING TO BUILD SERVERLESS SOLUTIONS IT S A VALUABLE REFERENCE FOR SOLUTION ARCHITECTS TRYING TO MODERNIZE A LEGACY APPLICATION OR WORKING ON A GREENFIELD PROJECT IT S ALSO HELPFUL FOR ANYONE TRYING TO SOLVE BUSINESS OR OPERATIONAL PROBLEMS WITHOUT WANTING TO MANAGE COMPLICATED TECHNOLOGY INFRASTRUCTURE USING SERVERLESS TECHNOLOGIES A BASIC UNDERSTANDING OF CLOUD COMPUTING AND SOME FAMILIARITY WITH AT LEAST ONE CLOUD VENDOR PYTHON PROGRAMMING LANGUAGE AND WORKING WITH CLI WILL BE HELPFUL WHEN READING THIS BOOK

## ARCHITECTING CLOUD-NATIVE SERVERLESS SOLUTIONS

2023-06-23

LEARN THE BASICS OF SERVERLESS COMPUTING AND HOW TO DEVELOP EVENT DRIVEN ARCHITECTURES WITH THE THREE MAJOR CLOUD PLATFORMS AMAZON SERVICES MICROSOFT AZURE AND GOOGLE CLOUD THIS HANDS ON GUIDE DIVES INTO THE FOUNDATIONS OF SERVERLESS COMPUTING ITS USE CASES AND HOW TO APPLY IT USING DEVELOPER TOOLS SUCH AS NODE JS VISUAL STUDIO CODE POSTMAN AND SERVERLESS FRAMEWORK YOU WILL APPLY THE FUNDAMENTALS OF SERVERLESS TECHNOLOGY FROM THE GROUND UP AND COME AWAY WITH A GREATER UNDERSTANDING OF ITS POWER AND HOW TO MAKE IT WORK FOR YOU THIS BOOK TEACHES YOU HOW TO QUICKLY AND SECURELY DEVELOP APPLICATIONS WITHOUT THE HASSLE OF CONFIGURING AND MAINTAINING INFRASTRUCTURE YOU WILL LEARN HOW TO HARNESS SERVERLESS TECHNOLOGY TO RAPIDLY REDUCE PRODUCTION TIME AND MINIMIZE YOUR COSTS WHILE STILL HAVING THE FREEDOM TO CUSTOMIZE YOUR CODE WITHOUT HINDERING FUNCTIONALITY UPON COMPLETION YOU WILL HAVE THE KNOWLEDGE AND RESOURCES TO BUILD YOUR OWN SERVERLESS APPLICATION HOSTED IN AWS AZURE OR GOOGLE CLOUD AND WILL HAVE EXPERIENCED THE BENEFITS OF EVENT DRIVEN TECHNOLOGY FOR YOURSELF WHAT YOU LL LEARN GAIN A DEEPER UNDERSTANDING OF SERVERLESS COMPUTING AND WHEN TO USE IT USE DEVELOPMENT TOOLS SUCH AS NODE JS POSTMAN AND VS CODE TO QUICKLY SET UP YOUR SERVERLESS DEVELOPMENT ENVIRONMENT AND PRODUCE APPLICATIONS APPLY TRIGGERS TO YOUR SERVERLESS FUNCTIONS THAT BEST SUIT THE ARCHITECTURE FOR THE PROBLEM THE FUNCTIONS ARE SOLVING BEGIN BUILDING APPLICATIONS ACROSS CLOUD PROVIDERS THAT UTILIZE THE POWER OF SERVERLESS TECHNOLOGY UNDERSTAND BEST DEVELOPMENT PRACTICES WITH SERVERLESS COMPUTING TO MAINTAIN SCALABLE AND PRACTICAL SOLUTIONS CODE WITH AN AGNOSTIC APPROACH TO CLOUD PROVIDERS TO MINIMIZE PROVIDER DEPENDENCY WHO THIS BOOK IS FOR ANY DEVELOPER LOOKING TO EXPAND CURRENT KNOWLEDGE OF SERVERLESS COMPUTING ITS APPLICATIONS AND HOW TO ARCHITECT SERVERLESS SOLUTIONS OR SOMEONE JUST BEGINNING IN THESE AREAS

## BEGINNING SERVERLESS COMPUTING

2017-11-24

BUILD AZURE FUNCTIONS AND INTEGRATE THEM WITH AZURE COSMOS DB DATA MODELS DESCRIPTION THIS BOOK PROVIDES EXAMPLES TO START WITH AZURE FUNCTIONS AND AZURE COSMOS DB IT DEMONSTRATES THE FEATURES AVAILABLE IN BOTH OF THE MENTIONED AZURE SERVICES AND DISCUSSES THEM IN DETAIL WITH SOME REAL WORLD EXAMPLES READING A CSV FILE AND WRITE TO A COSMOS DB TABLE STORE [?](#) READ EMAILS USING MICROSOFT GRAPH API AND SAVE THEM IN A COSMOS DB COSMOS DB TRIGGER FUNCTION TO SEND SMS NOTIFICATIONS TO CLIENTS A QUEUE TRIGGER TO CREATE NEW NODES IN THE COSMOS DB GRAPH DATA STORE ARE SOME OF THEM [?](#) YOU WILL BE ABLE TO SEE THE ABOVE CASE STUDIES WITH CODE SAMPLES IMPLEMENTED IN C NET CORE TYPESCRIPT AND PYTHON IT CONSISTS OF A VERY BASIC EXAMPLE TWO INTERMEDIATE SAMPLES THEN AND AN ADVANCED LEVEL ONE YOU WILL EXPERIENCE THE TRIGGERS AND INPUT OUTPUT BINDINGS AVAILABLE FOR A FUNCTION LIKE QUEUE TRIGGER BLOB TRIGGER AND COSMOS DB TRIGGER TO NAME A FEW ALSO YOU WILL BE ABLE TO SEE SOME INTERESTING FEATURES AVAILABLE IN AZURE FUNCTIONS LIKE PERFORMANCE OPTIMIZATIONS SCALABILITY OF A FUNCTION APP GEOGRAPHICAL DISTRIBUTION OF THE FUNCTION IN DIFFERENT LOCATIONS ERROR HANDLING WRITING UNIT TESTS FOR THE FUNCTIONS TO AVOID BREAKING CHANGES HOW TO ENSURE A FUNCTION APP IS SECURE AND THEN HOW TO DEPLOY A FUNCTION AND MONITOR AND TROUBLESHOOT A FUNCTION APP AT THE END OF THIS BOOK YOU WILL GAIN STRONG EXPERIENCE IN USING AZURE FUNCTIONS AND HOW TO MANAGE SERVERLESS APPLICATIONS SEAMLESSLY WITHOUT ANY FAILURE WITH UTMOST PERFORMANCE KEY FEATURES [?](#) [?](#) EXPERT LED COVERAGE ON INTEGRATING AZURE FUNCTIONS INDUSTRY PROVEN EXAMPLES AND BEST PRACTICES ON IMPLEMENTATION OF AZURE COSMOS DB LEARN TO WORK ON PERFORMANCE OPTIMIZATION AND ERROR HANDLING INTEGRATION OF AZURE FUNCTION WITH OTHER AZURE SERVICES WHAT YOU WILL LEARN [?](#) YOU WILL BE ABLE TO CREATE AN AZURE FUNCTION AND INTEGRATE IT WITH MANY AZURE SERVICES INCLUDING THE AZURE COSMOS DB YOU WILL

GET EXPERIENCE IMPLEMENTING A FUNCTION USING PROGRAMMING LANGUAGES LIKE C# NET CORE TYPESCRIPT AND PYTHON YOU WILL GET HANDS ON EXPERIENCE ON THE PERFORMANCE OPTIMIZING OF A FUNCTION HOW TO SCALE THEM HOW TO APPLY SECURITY TO THE FUNCTION APP ERROR HANDLING AND TESTING IN A FUNCTION WHO THIS BOOK IS FOR? [?] THIS BOOK IS FOR DEVELOPERS WHO WANT TO GET THE KNOWLEDGE AND EXPERIENCE IN AZURE FUNCTIONS AND AZURE COSMOS DB IF YOU HAVE A PROGRAMMING KNOWLEDGE OF NET TYPESCRIPT PYTHON OR ANY OTHER PROGRAMMING LANGUAGE IT WILL BE ENOUGH TO UNDERSTAND THE CONCEPTS AND SAMPLES IN THIS BOOK IF YOU HAVE WORKED WITH A CLOUD TECHNOLOGY OR HAVE EXPERIENCE IN ANY OF THE AZURE CLOUD SERVICES THEN IT WILL BE A DEFINITE ADVANTAGE TABLE OF CONTENTS 1 BEGINNING AZURE FUNCTION APPS 2 YOUR FIRST AZURE FUNCTION APP 3 LET'S GET STARTED WITH COSMOS DB 4 STRUCTURE YOUR DATA IN COSMOS DB 5 YOUR FIRST COSMOS DB 6 SERVERLESS DESIGN PATTERNS 7 PERFORMANCE AND SCALABILITY OF A FUNCTION APP 8 GEO DISTRIBUTION IN A FUNCTION APP 9 ERROR HANDLING AND TESTING 10 SECURE YOUR FUNCTION APP 11 DEPLOYMENTS IN A FUNCTION APP 12 MONITOR AND TROUBLESHOOT FUNCTION APPS 13 AZURE FUNCTIONS WITH COSMOS DB TABLE API 14 AZURE FUNCTIONS WITH COSMOS DB SQL API 15 COSMOS DB TRIGGER IN AZURE FUNCTION 16 AZURE FUNCTIONS WITH COSMOS DB GREMLIN API

## BUILDING SERVERLESS APPS WITH AZURE FUNCTIONS AND COSMOS DB

2021-02-05

QUICKSTART GUIDE FOR AWS AMAZON SERVICES LAMBDA AWS LAMBDA IS AN INCREDIBLY VERSATILE AND POWERFUL PLATFORM BUT ONLY IF YOU KNOW HOW TO USE IT NEED TO LEARN AWS LAMBDA FAST AWS LAMBDA IS A SERVERLESS EVENT DRIVEN CLOUD PLATFORM WITH LAMBDA YOUR COMPUTING RESOURCES ARE AS BIG AS YOUR IMAGINATION LOWER YOUR INFRASTRUCTURE COSTS WHILE DEPLOYING SYSTEMS AND APPLICATIONS THAT ARE INFINITELY SCALABLE LEARN HOW TO DESIGN AND THEN BUILD LAMBDA FUNCTIONS AND MASTER AWS LAMBDA WITH ACTUAL CODE AND EXAMPLES CONTAINED IN THIS BOOK WHEN YOU UNDERSTAND HOW TO USE AMAZON SERVICES AND AWS LAMBDA SPECIFICALLY YOU UNLOCK A WORLD OF COMPUTING POWER AND POSSIBILITIES GET THE MOST OUT OF AWS LAMBDA SIMPLY BY FOLLOWING THE EASY INSTRUCTIONS FULLY EXPLAINED INSIDE THIS GUIDE IT DOESN'T MATTER IF YOU HAVE NEVER USED AWS BEFORE THIS STEP BY STEP GUIDE GIVES YOU EVERYTHING YOU NEED TO KNOW TO DO MORE WITH AWS LAMBDA THAN YOU EVER THOUGHT POSSIBLE FULLY UP TO DATE THE WORLD OF CLOUD COMPUTING IS CHANGING CONSTANTLY AND YESTERDAY'S INSTRUCTIONS ARE USELESS TODAY SAVE YOURSELF THE HEADACHE AND FRUSTRATION OF TRYING TO USE A GUIDE THAT JUST DOESN'T WORK ANYMORE BRAND NEW AND UP TO DATE THIS GUIDE SHOWS YOU EXACTLY WHAT YOU NEED TO DO TO GET UP AND RUNNING ON AWS LAMBDA TODAY HERE IS A PREVIEW OF WHAT YOU WILL LEARN IN THIS GUIDE WHAT IS AWS LAMBDA WHY USE AWS LAMBDA HOW TO BEGIN USING AWS LAMBDA FAMILIARIZING YOURSELF WITH THE SERVERLESS FRAMEWORK DEFINING CORE CONCEPTS IN THE SERVERLESS FRAMEWORK INSTALLING THE SERVERLESS FRAMEWORK SETTING UP CREDENTIALS CREATING AMAZON SERVICES ACCESS KEYS USING AMAZON SERVICES ACCESS KEYS QUICK SETUP USING AMAZON SERVICES PROFILES TO SET UP USING SERVICES FUNCTIONS AND EVENTS SERVICES FUNCTIONS EVENTS DEPLOYMENT SAMPLES AND IMPLEMENTATION AND SO MUCH MORE IF YOU AREN'T A TECH SAVVY PERSON HAVE NO FEAR WITH THIS GUIDE IN YOUR HANDS THAT WILL NOT BE A BARRIER FOR YOU ANY LONGER LEARN AWS LAMBDA QUICKLY AND EASILY WHEN YOU GRAB THIS GUIDE NOW

## **AWS LAMBDA**

2019-07-17

GO BEYOND THE BASICS AND BUILD COMPLETE APPLICATIONS USING THE RUST PROGRAMMING LANGUAGE UPDATED FOR RUST 2021 EDITION THE APPLICATIONS YOU LL BUILD OVER THE COURSE OF THIS BOOK INCLUDE A HIGH PERFORMANCE WEB CLIENT AN EMBEDDED COMPUTER FOR A ROBOT FOR EXAMPLE A GAME A SERVERLESS WEB APP AND AN APPLICATION THAT INCORPORATES AI AND MACHINE LEARNING EACH CHAPTER IS ORGANIZED IN THE FOLLOWING FORMAT WHAT THE KIND OF SHOULD APPLICATION LOOK LIKE REQUIREMENTS AND USER STORIES OF OUR EXAMPLE PROGRAM AN INTRODUCTION TO THE RUST LIBRARIES USED THE ACTUAL IMPLEMENTATION OF THE EXAMPLE PROGRAM INCLUDING COMMON PITFALLS AND THEIR SOLUTIONS AND A BRIEF COMPARISON OF LIBRARIES FOR BUILDING EACH APPLICATION IF THERE IS NO CLEAR PREFERENCE PRACTICAL RUST PROJECTS SECOND EDITION WILL OPEN YOUR EYES TO HOW RUST CAN BE PUT TO PRACTICAL REAL WORLD USE AFTER READING THIS BOOK YOU WILL BE ABLE TO USE RUST TO BUILD A VARIETY OF YOUR OWN PROJECTS WHAT YOU WILL LEARN EXPLORE PRACTICAL RUST PROGRAMMING LANGUAGE BASED PROJECTS EXAMPLES AND CASE STUDIES CREATE A GUI BUILD A HIGH PERFORMANCE WEB FRONT END USING WEBASSEMBLY DEVELOP REST APIS USING RUST GO SERVERLESS TO DEVELOP A CLOUD APPLICATION USING THE AMAZON AWS RUST SDK CREATE A GAME USING RUST ALONG WITH AI AND MACHINE LEARNING APPS WHO THIS BOOK IS FOR THOSE WITH BASIC RUST KNOWLEDGE WHO WANT TO LEARN MORE ABOUT HOW TO APPLY RUST IN REAL WORLD SCENARIOS

## PRACTICAL RUST PROJECTS

2023-08-06

YOUR PRACTICAL HANDBOOK FOR SECURING CLOUD NATIVE APPLICATIONS KEY FEATURES AN OVERVIEW OF SECURITY IN CLOUD NATIVE APPLICATIONS SUCH AS MODERN ARCHITECTURES CONTAINERS CI CD PIPELINE AND SO ON USING AUTOMATION SUCH AS INFRASTRUCTURE AS CODE AND POLICY AS CODE TO ACHIEVE SECURITY AT SCALE IMPLEMENTING SECURITY FROM ENCRYPTION AND SECRETS MANAGEMENT TO THREAT MANAGEMENT DESCRIPTION SECURITY FOR CLOUD NATIVE APPLICATIONS IS AN OVERVIEW OF CLOUD NATIVE APPLICATIONS CHARACTERISTICS FROM A SECURITY POINT OF VIEW FILLED WITH BEST PRACTICES FOR SECURING SERVICES BASED ON AWS AZURE AND GCP INFRASTRUCTURE THIS BOOK IS A PRACTICAL GUIDE FOR SECURING CLOUD NATIVE APPLICATIONS THROUGHOUT THEIR LIFECYCLE IT ESTABLISHES FOUNDATIONAL KNOWLEDGE OF CLOUD SERVICES AND CLOUD NATIVE CHARACTERISTICS IT FOCUSES ON SECURING DESIGN APPROACHES LIKE APIS MICROSERVICES AND EVENT DRIVEN ARCHITECTURES SPECIFIC TECHNOLOGIES LIKE CONTAINERS KUBERNETES AND SERVERLESS FUNCTIONS ARE COVERED WITH SECURITY BEST PRACTICES THE BOOK EMPHASIZES INTEGRATING SECURITY THROUGHOUT DEVELOPMENT USING CI CD PIPELINES AND IAC TOOLS IT EXPLORES POLICY AS CODE FOR ENFORCING SECURITY POLICIES AND IMMUTABLE INFRASTRUCTURE FOR ENHANCED SECURITY POSTURE KEY MANAGEMENT AND THREAT DETECTION STRATEGIES ARE ALSO COVERED FINALLY THE BOOK OFFERS A PRACTICAL EXAMPLE AND RESOURCES FOR FURTHER LEARNING BY THE END OF THE BOOK THE READER WILL BE ABLE TO DESIGN AND SECURE MODERN APPLICATIONS USING THE PUBLIC CLOUD SCALE MANAGED SERVICES AUTOMATION AND BUILT IN SECURITY CONTROLS WHAT YOU WILL LEARN HOW TO SECURE MODERN DESIGN ARCHITECTURES FROM APIS EVENT DRIVEN ARCHITECTURES AND MICROSERVICES HOW TO SECURE APPLICATIONS USING CONTAINERS AND THE KUBERNETES PLATFORM HOW TO SECURE APPLICATIONS USING SERVERLESS FUNCTION AS A SERVICE HOW TO IMPLEMENT KEY AND SECRETS MANAGEMENT AS PART OF CLOUD NATIVE APPLICATIONS HOW TO IMPLEMENT THE 12 FACTOR APPLICATION METHODOLOGY AND IMMUTABLE INFRASTRUCTURE IN CLOUD NATIVE APPLICATIONS WHO THIS BOOK IS FOR THIS BOOK IS FOR SECURITY

PROFESSIONALS SOFTWARE DEVELOPMENT TEAMS DEVOPS AND CLOUD ARCHITECTS AND ALL THOSE WHO ARE DESIGNING MAINTAINING AND SECURING CLOUD NATIVE APPLICATIONS TABLE OF CONTENTS 1 INTRODUCTION TO CLOUD NATIVE APPLICATIONS 2 SECURING MODERN DESIGN ARCHITECTURES 3 CONTAINERS AND KUBERNETES FOR CLOUD NATIVE APPLICATIONS 4 SERVERLESS FOR CLOUD NATIVE APPLICATIONS 5 BUILDING SECURE CI CD PIPELINES 6 THE 12 FACTOR APPLICATION METHODOLOGY 7 USING INFRASTRUCTURE AS CODE 8 AUTHORIZATION AND POLICY AS CODE 9 IMPLEMENTING IMMUTABLE INFRASTRUCTURE 10 ENCRYPTION AND SECRETS MANAGEMENT 11 THREAT MANAGEMENT IN CLOUD NATIVE APPLICATIONS 12 SUMMARY AND KEY TAKEAWAYS

## SECURITY FOR CLOUD NATIVE APPLICATIONS

2024-03-26

ARE YOU READY TO CONQUER THE WORLD OF MODERN PROGRAMMING WITH CONFIDENCE AND PRECISION MASTERING RUST IS YOUR GATEWAY TO UNLOCKING THE TRUE POTENTIAL OF THE RUST PROGRAMMING LANGUAGE WHETHER YOU'RE A SEASONED DEVELOPER AIMING TO EXPAND YOUR TOOLKIT OR A PROGRAMMING NOVICE READY TO EMBARK ON AN EXCITING JOURNEY THIS COMPREHENSIVE GUIDE WILL EQUIP YOU WITH THE SKILLS TO DEVELOP ROBUST EFFICIENT AND SECURE SOFTWARE KEY FEATURES 1 DEEP DIVE INTO RUST FUNDAMENTALS IMMERSE YOURSELF IN THE CORE CONCEPTS OF RUST PROGRAMMING STARTING FROM ITS ORIGINS AND DESIGN PHILOSOPHY EXPLORE VARIABLES DATA TYPES OWNERSHIP AND BORROWING THE PILLARS OF RUST'S SAFETY AND PERFORMANCE 2 MEMORY SAFETY AND CONCURRENCY DISCOVER RUST'S GROUNDBREAKING OWNERSHIP MODEL DESIGNED TO ELIMINATE MEMORY RELATED BUGS AND ENSURE YOUR CODE RUNS SMOOTHLY DIVE INTO RUST'S CONCURRENCY FEATURES INCLUDING THREADS AND ASYNC PROGRAMMING TO BUILD RESPONSIVE AND EFFICIENT APPLICATIONS 3 ADVANCED DATA STRUCTURES AND ALGORITHMS ELEVATE YOUR CODING PROWESS BY MASTERING RUST'S DATA STRUCTURES AND ALGORITHMS FROM VECTORS AND HASH MAPS TO TREES AND GRAPHS LEARN HOW TO LEVERAGE THESE STRUCTURES TO SOLVE COMPLEX PROBLEMS WITH ELEGANCE AND EFFICIENCY 4 BUILDING RELIABLE APPLICATIONS EXPLORE BEST PRACTICES FOR STRUCTURING AND ORGANIZING YOUR RUST PROJECTS GAIN INSIGHTS INTO ERROR HANDLING TESTING AND WRITING CLEAN MAINTAINABLE CODE THAT THRIVES IN REAL WORLD SCENARIOS 5 HARNESSING RUST'S STANDARD LIBRARY MAXIMIZE YOUR PRODUCTIVITY BY HARNESSING THE CAPABILITIES OF RUST'S RICH STANDARD LIBRARY FROM WORKING WITH FILES AND NETWORKING TO PARSING AND FORMATTING DATA LEVERAGE THESE POWERFUL TOOLS TO STREAMLINE YOUR DEVELOPMENT PROCESS 6 DEVELOPMENT AND BEYOND CREATE DYNAMIC WEB APPLICATIONS USING RUST'S MODERN WEB FRAMEWORKS DIVE INTO CONCEPTS LIKE ROUTING TEMPLATING AND DATABASE INTEGRATION TO BUILD WEB SOLUTIONS THAT ARE AS PERFORMANT AS THEY ARE SECURE 7 ADVANCED LANGUAGE FEATURES PUSH THE BOUNDARIES OF YOUR RUST KNOWLEDGE BY EXPLORING ADVANCED TOPICS SUCH AS MACROS TRAITS AND PATTERN MATCHING CRAFT EXPRESSIVE IDIOMATIC CODE THAT SHOWCASES THE ELEGANCE AND POWER OF THE RUST LANGUAGE 8 PERFORMANCE OPTIMIZATION MASTER THE ART OF OPTIMIZING RUST APPLICATIONS FOR TOP NOTCH PERFORMANCE LEARN PROFILING TECHNIQUES MEMORY MANAGEMENT AND BENCHMARKING TO ENSURE YOUR SOFTWARE RUNS EFFICIENTLY 9 DEPLOYMENT AND DEVOPS NAVIGATE THE LANDSCAPE OF DEPLOYING RUST APPLICATIONS TO VARIOUS PLATFORMS DISCOVER CONTAINERIZATION AND ADOPT DEVOPS PRACTICES THAT STREAMLINE YOUR DEVELOPMENT TO PRODUCTION PIPELINE WHO THIS BOOK IS FOR MASTERING RUST IS AN INDISPENSABLE COMPANION FOR DEVELOPERS OF ALL LEVELS OF EXPERTISE WHO ARE EAGER TO HARNESS THE CAPABILITIES OF THE RUST PROGRAMMING LANGUAGE WHETHER YOU'RE A NOVICE PROGRAMMER OR A SEASONED CODER LOOKING TO EMBRACE RUST'S UNIQUE FEATURES THIS BOOK WILL GUIDE YOU THROUGH THE LANGUAGE'S NUANCES AND EMPOWER YOU TO CREATE RESILIENT HIGH PERFORMANCE SOFTWARE

## MASTERING RUST

2023-09-26

DEPLOY FUNCTIONS EFFICIENTLY USING DIFFERENT CLOUD BASED SERVERLESS OFFERINGS KEY FEATURES UNDERSTAND THE CONCEPT OF FUNCTION AS A SERVICE IMPLEMENT SERVERLESS SOLUTIONS USING AWS LAMBDA AZURE FUNCTIONS AND GOOGLE CLOUD FUNCTIONS PRACTICAL APPROACH TOWARDS CHOOSING THE BEST TOOL FOR YOUR SERVERLESS ENVIRONMENT BOOK DESCRIPTION SERVERLESS APPLICATIONS AND ARCHITECTURES ARE GAINING MOMENTUM AND ARE INCREASINGLY BEING USED BY COMPANIES OF ALL SIZES SERVERLESS SOFTWARE TAKES CARE OF MANY PROBLEMS THAT DEVELOPERS FACE WHEN RUNNING SYSTEMS AND SERVERS SUCH AS FAULT TOLERANCE CENTRALIZED LOGGING HORIZONTAL SCALABILITY AND DEPLOYMENTS YOU WILL LEARN HOW TO HARNESS SERVERLESS TECHNOLOGY TO RAPIDLY REDUCE PRODUCTION TIME AND MINIMIZE YOUR COSTS WHILE STILL HAVING THE FREEDOM TO CUSTOMIZE YOUR CODE WITHOUT HINDERING FUNCTIONALITY UPON FINISHING THE BOOK YOU WILL HAVE THE KNOWLEDGE AND RESOURCES TO BUILD YOUR OWN SERVERLESS APPLICATION HOSTED IN AWS MICROSOFT AZURE OR GOOGLE CLOUD PLATFORM AND WILL HAVE EXPERIENCED THE BENEFITS OF EVENT DRIVEN TECHNOLOGY FOR YOURSELF THIS HANDS ON GUIDE DIVES INTO THE BASIS OF SERVERLESS ARCHITECTURES AND HOW TO BUILD THEM USING NODE JS AS A PROGRAMMING LANGUAGE VISUAL STUDIO CODE FOR CODE EDITING AND POSTMAN FOR QUICKLY AND SECURELY DEVELOPING APPLICATIONS WITHOUT THE HASSLE OF CONFIGURING AND MAINTAINING INFRASTRUCTURE ON THREE PUBLIC CLOUD PLATFORMS WHAT YOU WILL LEARN UNDERSTAND THE BENEFITS OF SERVERLESS COMPUTING AND KNOW WHEN TO USE IT DEVELOP SERVERLESS APPLICATIONS ON AWS AZURE AND GOOGLE CLOUD GET TO GRIPS WITH FUNCTION AS A SERVICE FAAS APPLY TRIGGERS TO SERVERLESS FUNCTIONS BUILD EVENT DRIVEN APPS USING SERVERLESS FRAMEWORKS USE THE NODE JS PROGRAMMING LANGUAGE TO BUILD SERVERLESS APPS USE CODE EDITORS SUCH AS VISUAL STUDIO CODE AS DEVELOPMENT ENVIRONMENTS MASTER THE BEST DEVELOPMENT PRACTICES FOR CREATING SCALABLE AND PRACTICAL SOLUTIONS WHO THIS BOOK IS FOR THIS BOOK IS TARGETED TOWARDS DEVELOPERS SYSTEM ADMINISTRATORS OR ANY STAKEHOLDER WORKING IN THE SERVERLESS ENVIRONMENT AND WANT TO UNDERSTAND HOW FUNCTIONS WORK BASIC IDEA OF SERVERLESS ARCHITECTURE CAN BE AN ADDED ADVANTAGE

## *HANDS-ON SERVERLESS COMPUTING*

2018-07-23

FOREWORD BY WERNER VOGELS VICE PRESIDENT AND CORPORATE TECHNOLOGY OFFICER AMAZON THE AWS EXAM HAS BEEN UPDATED YOUR STUDY GUIDE SHOULD BE TOO THE AWS CERTIFIED DEVELOPER OFFICIAL STUDY GUIDE ASSOCIATE EXAM IS YOUR ULTIMATE PREPARATION RESOURCE FOR THE LATEST EXAM COVERING ALL EXAM OBJECTIVES THIS INVALUABLE RESOURCE PUTS A TEAM OF AWS EXPERTS AT YOUR SIDE WITH EXPERT GUIDANCE CLEAR EXPLANATIONS AND THE WISDOM OF EXPERIENCE WITH AWS BEST PRACTICES YOU'LL MASTER CORE SERVICES AND BASIC ARCHITECTURE AND EQUIP YOURSELF TO DEVELOP DEPLOY AND DEBUG CLOUD BASED APPLICATIONS USING AWS THE AWS DEVELOPER CERTIFICATION IS EARNED BY THOSE WHO DEMONSTRATE THE TECHNICAL KNOWLEDGE AND SKILL ASSOCIATED WITH BEST PRACTICES FOR BUILDING SECURE RELIABLE CLOUD BASED APPLICATIONS USING AWS TECHNOLOGY THIS BOOK IS YOUR OFFICIAL EXAM PREP COMPANION PROVIDING EVERYTHING YOU NEED TO KNOW TO PASS WITH FLYING COLORS STUDY THE AWS CERTIFIED DEVELOPER EXAM OBJECTIVES GAIN EXPERT INSIGHT ON CORE AWS SERVICES AND BEST PRACTICES TEST YOUR UNDERSTANDING OF KEY CONCEPTS WITH CHALLENGING CHAPTER QUESTIONS ACCESS

ONLINE STUDY TOOLS INCLUDING ELECTRONIC FLASHCARDS A SEARCHABLE GLOSSARY PRACTICE EXAMS AND MORE CLOUD COMPUTING OFFERS BUSINESSES THE OPPORTUNITY TO REPLACE UP FRONT CAPITAL INFRASTRUCTURE EXPENSES WITH LOW VARIABLE COSTS THAT SCALE AS THEY GROW THIS CUSTOMIZED RESPONSIVENESS HAS NEGATED THE NEED FOR FAR FUTURE INFRASTRUCTURE PLANNING PUTTING THOUSANDS OF SERVERS AT THEIR DISPOSAL AS NEEDED AND BUSINESSES HAVE RESPONDED PROPELLING AWS TO THE NUMBER ONE SPOT AMONG CLOUD SERVICE PROVIDERS NOW THESE BUSINESSES NEED QUALIFIED AWS DEVELOPERS AND THE AWS CERTIFICATION VALIDATES THE EXACT SKILLS AND KNOWLEDGE THEY RE LOOKING FOR WHEN YOU RE READY TO GET SERIOUS ABOUT YOUR CLOUD CREDENTIALS THE AWS CERTIFIED DEVELOPER OFFICIAL STUDY GUIDE ASSOCIATE EXAM IS THE RESOURCE YOU NEED TO PASS THE EXAM WITH FLYING COLORS NOTE AS OF OCTOBER 7 2019 THE ACCOMPANYING CODE FOR HANDS ON EXERCISES IN THE BOOK IS AVAILABLE FOR DOWNLOADING FROM THE SECURE RESOURCES AREA IN THE ONLINE TEST BANK YOU LL FIND CODE FOR CHAPTERS 1 2 11 AND 12

## **AWS CERTIFIED DEVELOPER OFFICIAL STUDY GUIDE**

2019-09-24

BUILD AN END TO END APPLICATION FROM DEVELOPMENT TO PRODUCTION BY BINDING ANGULAR WITH FIREBASE IN THIS COMPLETE GUIDE TO WEB APPLICATION DEVELOPMENT KEY FEATURES BUILD A REAL TIME PRODUCTION READY WEB APPLICATION BY LEVERAGING THE FEATURES OF ANGULAR AS FRONT END AND FIREBASE AS THE BACK END LEARN MORE ABOUT AUTHENTICATION DATABASES AND SECURITY WITH FIREBASE LEARN HOW TO GROW YOUR APPLICATION USER BASE USING GOOGLE ANALYTICS AND HOW TO MAKE YOUR APPLICATION PWA COMPLIANT BOOK DESCRIPTION THIS BOOK IS A COMPLETE PACKAGE FOR YOU TO BUILD REAL TIME WEB APPLICATIONS YOU WILL BUILD AN END TO END SOCIAL NETWORKING WEB APPLICATION FROM DEVELOPMENT TO PRODUCTION WITH ANGULAR AS THE FRONTEND AND FIREBASE AS THE BACKEND YOU WILL CREATE AN APPLICATION CALLED FRIENDS WITH AUTHENTICATION FRIENDS AND CHAT FEATURES DURING THE PROCESS YOU LL USE FIREBASE AUTHENTICATION TO REGISTER NEW USERS AND FIREBASE DATABASE TO STORE YOUR EXTRA USER DATA YOU LL TAKE A LOOK AT HOW TO STORE AND RETRIEVE YOUR USER S IMAGES FROM FIREBASE STORAGE THEN YOU LL CREATE A REAL TIME CHAT MODULE WITH THE FIREBASE DATABASE NEXT YOU LL SECURE YOUR DATABASE USING FIREBASE SECURITY MAKE YOUR APPLICATION LIVE WITH FIREBASE HOSTING AND DEVELOP YOUR APPLICATION WITH ANALYTICS MOVING ON YOU LL TAKE A LOOK AT HOW TO CREATE WEB PAGES USING BOOTSTRAP WITH HTML CSS AND TYPESCRIPT YOU WILL USE THE ANGULARFIRE2 LIBRARY API IN ANGULAR SERVICES TO INTERACT WITH FIREBASE AND WRITE UNIT TESTS USING THE JASMINE FRAMEWORK THAT WILL HELP YOU TO WRITE A PRODUCTION READY APPLICATION YOU LL ALSO DISCOVER VARIOUS DEBUGGING TECHNIQUES TO TROUBLESHOOT ANY BUG IN YOUR APPLICATION FINALLY YOU LL MAKE YOUR APPLICATION PROGRESSIVE APPLICATIONS COMPLIANT BY THE END OF THIS BOOK YOU LL BE ABLE TO CONFIDENTLY BUILD ANY COMPLEX APPLICATION WHAT YOU WILL LEARN UNDERSTAND THE CORE CONCEPTS OF ANGULAR FRAMEWORK CREATE WEB PAGES WITH ANGULAR AS FRONT END AND FIREBASE AS BACK END DEVELOP A REAL TIME SOCIAL NETWORKING APPLICATION MAKE YOUR APPLICATION LIVE WITH FIREBASE HOSTING ENGAGE YOUR USER USING FIREBASE CLOUD MESSAGING GROW YOUR APPLICATION WITH GOOGLE ANALYTICS LEARN ABOUT PROGRESSIVE APP WHO THIS BOOK IS FOR THIS BOOK IS FOR JAVASCRIPT DEVELOPERS WHO HAVE SOME PREVIOUS KNOWLEDGE OF THE ANGULAR FRAMEWORK AND WANT TO START DEVELOPING SERVERLESS APPLICATIONS WITH ANGULAR AND FIREBASE IF YOU ARE LOOKING FOR A MORE PRACTICAL AND LESS THEORY BASED APPROACH TO LEARN THESE CONCEPTS THEN THIS BOOK IS FOR YOU

## **HANDS-ON FULL STACK DEVELOPMENT WITH ANGULAR 5 AND FIREBASE**

2018-02-23

- [FOCUS ON PHYSICAL SCIENCE GRADE 8 ANSWERS \(2023\)](#)
- [PLANETS AND LIFE THE EMERGING SCIENCE OF ASTROBIOLOGY FULL PDF](#)
- [THE ARRANGEMENT 15 THE FERRO FAMILY VOLUME 14 FULL PDF](#)
- [REVUE TECHNIQUE ESPACE 3 FULL PDF](#)
- [MLA DOCUMENTATION PRACTICE WORKSHEET QUESTGARDEN \(PDF\)](#)
- [4 THE RATIONALISATION OF HOUSEWORK HOME SPRINGER \(2023\)](#)
- [STEP BY GUIDE TO WIRING A PLUG \(DOWNLOAD ONLY\)](#)
- [ENGINEERING CHEMISTRY LAB MANUAL JNTUK DASHMX FULL PDF](#)
- [PRINCIPLES OF MACROECONOMICS TAYLOR ANSWERS COPY](#)
- [A RULEBOOK FOR ARGUMENTS 4TH EDITION .PDF](#)
- [LATIN CLASH CARDS LATIN FOR CHILDREN PRIMER A LATIN EDITION \(READ ONLY\)](#)
- [ENGLISH 1B QUESTIONS THE MURDERS IN THE RUE MORGUE FULL PDF](#)
- [LEGOLAND \(PDF\)](#)
- [SOLUTIONS ELEMENTARY WORKBOOK 2ND EDITION ANSWERS \(2023\)](#)
- [MASTERING ADJUSTING ENTRIES AIPB \(2023\)](#)
- [HOW TO INTERVIEW LIKE A TOP MBA JOB WINNING STRATEGIES FROM HEADHUNTERS FORTUNE 100 RECRUITERS AND CAREER COUNSELORS COPY](#)
- [KSCE BIOLOGY PAPER 2012 \(2023\)](#)
- [BEST CSET STUDY GUIDE \(2023\)](#)
- [ALL STAR PUPS PAW PATROL \(PDF\)](#)
- [LITTLE CRITTER JUST AN ADVENTURE AT SEA MY FIRST I CAN READ \(PDF\)](#)
- [WHATS YOUR BIO STRATEGY HOW TO PREPARE YOUR BUSINESS FOR SYNTHETIC BIOLOGY .PDF](#)
- [COMPUTER NETWORK 5TH EDITION \(PDF\)](#)
- [HANDEL CHRISTOPHER HOGWOOD FULL PDF](#)
- [DEI ED EROI DELLOLIMPO \(2023\)](#)
- [LULTIMO SPAZIO DI LIBERT UN APPROCCIO UMANISTICO E CULTURALE ALLA GEOGRAFIA DEL MARE .PDF](#)
- [MARKETING THIRD EDITION GREWAL LEVY COPY](#)