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Buy Building Serverless Web Applications: Develop scalable web apps using the Serverless Framework on AWS by Zanon, Diego (ISBN: 9781787126473) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

Building Serverless Web Applications: Develop scalable web ...

You can build a serverless web application by using several AWS services together. Each service is fully managed and does not require you to provision or manage servers. You only need to configure them together and upload your application code to AWS Lambda, a serverless compute service.

Example Serverless Application Architecture Web Apps Using

Build Your First Serverless Web App | Amazon Web Services

Note: Serverless applications are not bound to React only, as long as your preferred front-end framework or library can make an HTTP request, it can use a serverless application. Google Cloud Functions. The Google Cloud allows developers to create serverless applications using the Cloud Functions and runs them using the Functions Framework.

Building Serverless Front-End Applications Using Google ...
Showcasing itself as a way to develop and deploy services and web applications in a cost-effective and quick way, serverless technology

continues to grow and improve by the day. As latencies and performance costs associated with this architecture reduce in time, these services are being adopted more and more by companies around the globe.

Building a Serverless Web Applications | Volumetree
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.

Building Serverless Web Applications - Packt

Building Serverless Web Applications: Develop scalable web apps using the Serverless Framework on AWS eBook: Zanon, Diego: Amazon.co.uk: Kindle Store

Building Serverless Web Applications: Develop scalable web ...

Serverless is the fastest-growing model in cloud computing today, and no wonder. The promise of delegating infrastructure management to a cloud vendor is compelling in a business world that rewards high-speed innovation. If they weren't already headed that way, many companies are feeling the urgency to go serverless to achieve greater…

What to Think About Before Building a Serverless App in ...

Creating a serverless app with AWS

Lambda is built upon event-based development, so a user's action serves as a trigger that kickstarts backend and frontend response. Lambda's role is to connect users' actions to the software's output, making sure that an application smoothly reacts to interactions.

How to Build Serverless Apps With AWS Lambda - TechMagic

Building serverless web applications in Azure. Learn how to build web apps without managing web servers in Azure. Run interactive web client code in the browser with JavaScript or Blazor front-ends and extend with powerful serverless API back-ends. Go from repo to cloud quickly with low cost, high performance, and dynamic scale. Bring microservices design patterns to your web solutions with

modular and extensible serverless architecture.

Web Apps Using

Building serverless web applications in Azure

Build Serverless Function (5 minutes): Build a serverless function using AWS Lambda. Link Serverless Function to Web App (5 minutes): Deploy your serverless function with API Gateway. Create Data Table (10 minutes): Persist data in an Amazon DynamoDB table. Add Interactivity to Web App (5 minutes): Modify your web app to invoke your API.

Build a Basic Web Application on AWS

The client is going to use AWS Amplify, a library for building cloud-enabled applications, both web and native. Amplify has a lot of features, like authentication, analytics,

GraphQL, storage, hosting, push notifications, and others. You can use AWS Amplify not only with Javascript but also with iOS, Android, and React Native.

Tutorial: Building & Monitoring Serverless Web Applications
We have demonstrated that serverless is a cheap, fast way to develop and deploy microservices and even full-fledged Web applications. As serverless and cloud technology continues to improve, the...

Developing a fully Serverless Web app | by Hootsuite ...
AWS Serverless Web Applications Architecture As mentioned above, we can find more about the development of serverless web applications by reflecting on the AWS serverless

application architecture. Basically, you can build a serverless web application by leveraging different AWS services together. All you have to do is ensure their viable configuration together followed by uploading the application code to AWS Lambda.

Build a Serverless Web Application with AWS Lambda ...

With a simple command install Webiny locally on your machine. Develop using favorite editor and environment, there are no magic black boxes here. Admin theme is included The admin theme has all the required parts, from a clean-looking UI, navigation, user account area, search and login form.

Build serverless web applications - Webiny

Developing Serverless applications is a very different way of building applications we've been building for decades now. We've gotten used to having awesome local tooling for us to essentially run our entire application on our local machine.

Serverless Local Development - The Serverless Application ...

Web Web Build, deploy and scale powerful web applications quickly and efficiently. Web Apps Quickly create and deploy mission-critical web apps at scale; API Management Publish APIs to developers, partners and employees securely and at scale; Content Delivery Network Ensure secure, reliable content delivery with broad global reach

Building serverless web applications

in Azure

Develop more efficiently with Functions, an event-driven serverless compute platform that can also solve complex orchestration problems. Build and debug locally without additional setup, deploy and operate at scale in the cloud, and integrate services using triggers and bindings.

Azure Functions Serverless Compute | Microsoft Azure

AWS AppSync is a managed serverless GraphQL API service that simplifies application development by letting you create a flexible interface to securely access, manipulate, and combine data from one or more data sources with a single network call and API endpoint. With AppSync, developers can build scalable applications on a range of data

sources, including [...]

Building Real time Serverless APIs with PostgreSQL, CDK ...

The fastest way to develop the application is by using the Serverless Monolith approach. If we take AWS, for example, you can build a Serverless Monolith by using a single AWS Lambda function for the backend. Besides, it is likely that you write more code in the frontend where you actually need to look at breaking it down into smaller pieces.

Building a Serverless Web App: Why You Should Consider the ...

git clone https://github.com/Azure-Sa mples/functions-first-serverless-web-application source The repository will be cloned to ~/source. The client-side web application is located in the www

folder and is built using the Vue.js
JavaScript framework. Change into
the folder and run npm commands to
install the application's dependencies
and build the application.

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

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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.

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

Web API on the AWS Lambda
serverless platform. Mastering
microservices using .NET Core and
AWS Lambda. DESCRIPTION Building
Modern Serverless Web APIs
introduces you to the serverless
paradigm of the Web API application,
its advantages, and presents you the
modern approach of developing the
Web 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 Web API and its hosting strategies for building serverless microservices. ● Learn

about Amazon Web 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 Web 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

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.

Build scalable, efficient, and highly available web apps using AWSAbout This Book* Get an in-depth understanding of the Serverless framework* Build a complete serverless web application end to

end* Monitor performance, timeouts, efficiency, errors, and costs in your appWho This Book Is ForIf 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. The book only assumes prior knowledge of Node.js. For other topics, we cover the basics.What you will learn* Get a grasp of the pros and cons of going serverless and how it fits in with microservices architecture* Discover how you can use the building blocks of AWS to your advantage and get a brief comparison with other major players* Set up the environment and create a basic app with the Serverless framework* Build a sample application with a front end using AngularJS as a SPA* Develop the

Node.js backend to handle requests and connect to a Firebase database* Implement the publish-subscribe pattern to handle notifications in a serverless application* Secure your applications with authentication and authorization* Define the workflow to test and deploy your appIn DetailThe growth of serverless computing has been a game changer, with several companies adopting it to reduce management costs and to improve scalability. 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, followed by a brief comparison of the major players and why AWS stands

out. From here, we show you how to use the basic services of AWS, run Lambda functions, and estimate costs. Next, you will configure AWS SDK credentials, learn basic commands, and add plugins. We even show you how to build your front end using AngularJS, how to handle requests with development of the backend, and handle live notifications using Amazon Simple Notification Service.We go on to describe how you can secure an application with authentication and authorization. We also show you how to monitor the performance, efficiency, errors, and costs. Finally, we will teach you how to test and deploy your application.

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 Web Services, shows developers how to build full stack applications using React, AWS, GraphQL, and the Amplify Framework. You'll 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 is not) 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

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.

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

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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

Learn how to build a real-world serverless application in the cloud that's reliable, secure, maintainable, and scalable. If you have experience building web applications on traditional infrastructure, this hands-on guide shows you how to get started with Cloud Run, a container-based serverless product on Google Cloud. Through the course of this book, you'll learn how to deploy several example applications that highlight different parts of the serverless stack on Google Cloud. Combining practical examples with fundamentals, this book will appeal to

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developers who are early in their learning journey as well as experienced practitioners. Build a serverless application with Google Cloud Run Learn approaches for building containers with (and without) Docker Explore Google Cloud's managed relational database: Cloud SQL Use HTTP sessions to make every user's experience unique Explore identity and access management (IAM) on Cloud Run Provision Google Cloud resources using Terraform Learn how to handle background task scheduling on Cloud Run Move your service from Cloud Run to Knative Serving with little effort

Summary Serverless Applications with Node.js walks you through building serverless apps on AWS using JavaScript. Inside, you'll discover what

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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 Node.js. About the Author Slobodan Stojanovi and Aleksandar Simovi 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

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.

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