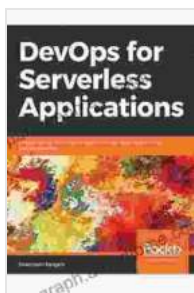# Design, Deploy, and Monitor Your Serverless Applications Using DevOps Practices

Serverless computing is a cloud computing model that allows you to build and deploy applications without having to manage servers. This can save you a significant amount of time and money, and it can also make it easier to scale your applications as needed.

DevOps for Serverless Applications: Design, deploy, and monitor your serverless applications using DevOps practices by Shashikant Bangera

★★★★☆ 4.1 out of 5

Language	: English
File size	: 13838 KB
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Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 264 pages

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However, serverless computing can also be more complex to manage than traditional cloud computing models. This is because you need to understand how to design, deploy, and monitor your applications in a serverless environment.

This guide will teach you everything you need to know about designing, deploying, and monitoring serverless applications using DevOps practices. You'll learn how to use AWS Lambda, Our Book Library API Gateway, and

other serverless technologies to build and deploy scalable, reliable, and cost-effective applications.

Designing Serverless Applications

The first step in designing a serverless application is to understand the different types of serverless services that are available. AWS Lambda is a popular serverless compute service that allows you to run code without having to manage servers. Our Book Library API Gateway is a serverless API management service that allows you to create and manage APIs for your applications.

Once you've chosen the right serverless services for your application, you need to design your application's architecture. This includes deciding how your application will be structured, how data will flow through your application, and how your application will handle errors.

It's also important to consider how you will deploy and monitor your application. DevOps practices can help you to automate the deployment and monitoring of your application, which can save you a significant amount of time and effort.

Deploying Serverless Applications

Once you've designed your serverless application, you need to deploy it. This involves creating a deployment package, uploading your code to the cloud, and configuring your application's settings.

AWS provides a variety of tools to help you deploy your serverless applications. The AWS CLI is a command-line interface that you can use to manage your AWS resources. The AWS CloudFormation service allows

you to define your application's infrastructure in a template, which can make it easier to deploy and manage your application.

Once you've deployed your application, you need to test it to make sure that it's working properly. This involves sending requests to your application and verifying that the responses are correct.
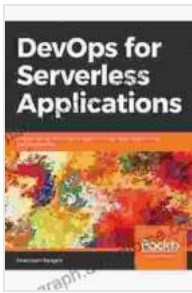
Monitoring Serverless Applications

Once your application is deployed, you need to monitor it to make sure that it's running properly. This involves tracking your application's performance, usage, and errors.

AWS provides a variety of tools to help you monitor your serverless applications. Our Book Library CloudWatch is a monitoring service that allows you to track your application's performance, usage, and errors. Our Book Library CloudTrail is a logging service that allows you to track all of the API calls that are made to your AWS account.

By monitoring your application, you can identify and fix any problems that may arise. This can help you to keep your application running smoothly and avoid downtime.

Serverless computing can be a great way to build and deploy applications. However, it's important to understand how to design, deploy, and monitor your applications in a serverless environment. This guide has provided you with the information you need to get started.
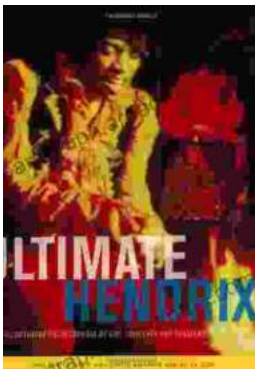
By following the advice in this guide, you can build and deploy serverless applications that are scalable, reliable, and cost-effective.

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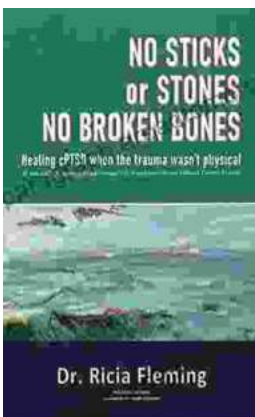
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