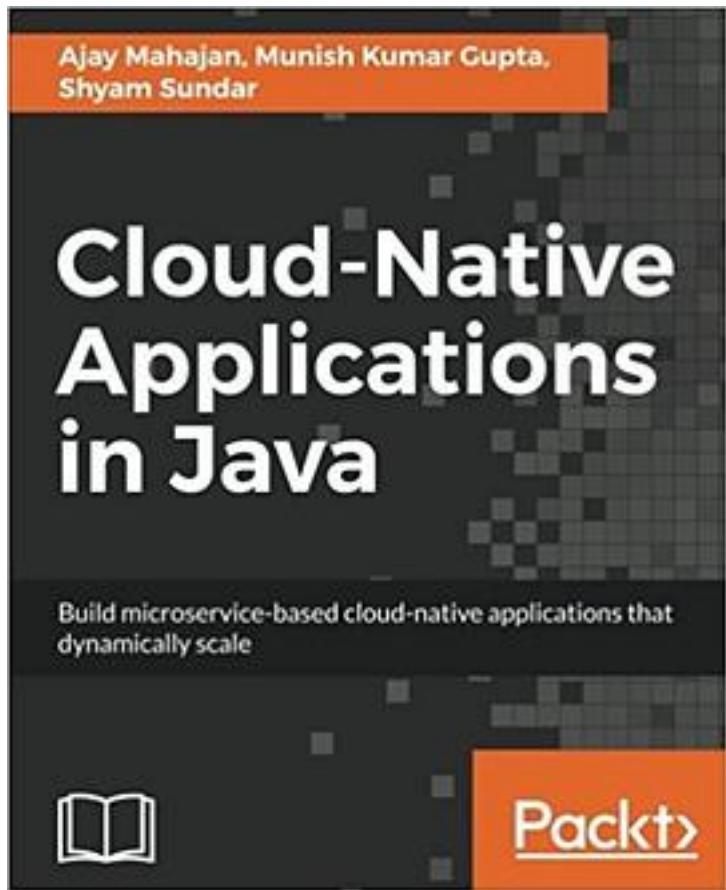


Cloud Native Applications in Java



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著者: Ajay Mahajan

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Key Features

Take advantage of the simplicity of Spring to build a full-fledged application
Let your applications run faster while generating smaller cloud service bills
Integrate your

application with various tools such as Docker and ElasticSearch and use specific tools in Azure and AWS

Book Description

Businesses today are evolving so rapidly that they are resorting to the elasticity of the cloud to provide a platform to build and deploy their highly scalable applications. This means developers now are faced with the challenge of building applications that are native to the cloud. For this, they need to be aware of the environment, tools, and resources they're coding against.

If you're a Java developer who wants to build secure, resilient, robust, and scalable applications that are targeted for cloud-based deployment, this is the book for you. It will be your one stop guide to building cloud-native applications in Java Spring that are hosted in On-prem or cloud providers - AWS and Azure

The book begins by explaining the driving factors for cloud adoption and shows you how cloud deployment is different from regular application deployment on a standard data centre. You will learn about design patterns specific to applications running in the cloud and find out how you can build a microservice in Java Spring using REST APIs

You will then take a deep dive into the lifecycle of building, testing, and deploying applications with maximum automation to reduce the deployment cycle time. Gradually, you will move on to configuring the AWS and Azure platforms and working with their APIs to deploy your application. Finally, you'll take a look at API design concerns and their

作者介绍:

About the Author

Ajay MahajanAjay Mahajan is a Distinguished Member of Technical Staff (DMTS) at Wipro Technologies, and currently is in role of Chief Technologist of Retail vertical. In his current role, he helps customers adopt cloud-native and digital architecture for next-generation retail applications. He worked with retail and banking clients in Europe and USA on large-scale mission-critical systems. He has seen the evolution of enterprise Java from the Netscape Application Server to servlets/JSP, JEE, Spring, and now the cloud and microservices during the course of 19 years of working on Java platform.

Read more

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标签

microservice

java

cloud-native

devops

IT

评论

介绍了云计算的几个层级。IaaS层实现硬件资源虚拟化，资源超分提高利用率，2块CPU当3块分配。PaaS层实现服务按需启动、资源按需分配，再提高一层资源使用率。容器技术实现可编程环境、资源隔离、不可变部署物。开发层面要实现服务发现、集中配置、服务网关、日志收集、指标收集。运维层要实现自动化构建部署。这些就是云环境的要素。

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书评

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