



Spring Microservices

By Rajesh RV

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Spring Microservices By Rajesh RV

Build scalable microservices with Spring, Docker, and Mesos

About This Book

- Learn how to efficiently build and implement microservices in Spring, and how to use Docker and Mesos to push the boundaries of what you thought possible
- Examine a number of real-world use cases and hands-on code examples.
- Distribute your microservices in a completely new way

Who This Book Is For

If you are a Spring developers and want to build cloud-ready, internet-scale applications to meet modern business demands, then this book is for you. Developers will understand how to build simple Restful services and organically grow them to truly enterprise grade microservices ecosystems.

What You Will Learn

- Get to know the microservices development lifecycle process
- See how to implement microservices governance
- Familiarize yourself with the microservices architecture and its benefits
- Use Spring Boot to develop microservices
- Find out how to avoid common pitfalls when developing microservices
- Be introduced to end-to-end microservices written in Spring Framework and Spring Boot

In Detail

The Spring Framework is an application framework and inversion of the control container for the Java platform. The framework's core features can be used by any Java application, but there are extensions to build web applications on top of the Java EE platform. This book will help you implement the microservice architecture in Spring Framework, Spring Boot, and Spring Cloud. Written to the latest specifications of Spring, you'll be able to build modern, Internet-scale Java

applications in no time.

We would start off with the guidelines to implement responsive microservices at scale. We will then deep dive into Spring Boot, Spring Cloud, Docker, Mesos, and Marathon. Next you will understand how Spring Boot is used to deploy autonomous services, server-less by removing the need to have a heavy-weight application server. Later you will learn how to go further by deploying your microservices to Docker and manage it with Mesos. By the end of the book, you'll will gain more clarity on how to implement microservices using Spring Framework and use them in Internet-scale deployments through real-world examples.

Style and approach

The book follows a step by step approach on how to develop microservices using Spring Framework, Spring Boot, and a set of Spring Cloud components that will help you scale your applications.



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Editorial Review

About the Author

Rajesh RV

Rajesh RV is a seasoned IT architect with extensive experience in diversified technologies and more than 16 years of airline IT experience. Rajesh received a degree in computer engineering from University of Cochin, India. He joined the JEE community Spring during the early days of EJB. During the course, as an architect, he worked on many large-scale, mission-critical projects, including New Generation Airline Passenger Reservation System (iFlyRes) and Next Generation Airline Cargo Reservation systems (Skychain and CROAMIS) in the airlines domain. At present, working as chief architect at Emirates (<http://www.emirates.com/>), Rajesh is handling the solution architecture portfolio, which is spread across various architecture capabilities, such as JEE, SOA, NoSQL, IoT, mobile, UI, integration, and more. At Emirates, Open Travel Platform (OTP) architected by Rajesh earned the group the prestigious 2011 RedHat Innovation Award in the Carved Out Costs category. In 2011, he introduced the innovative concept of the Honeycomb architecture based on the hexagonal architecture pattern used to transform the legacy mainframe system. Rajesh has a deep passion for technology and architecture. He also holds several certifications, such as BEA Certified WebLogic Administrator, Sun Certified Java Enterprise Architect, Open Group Certified TOGAF Practitioner, Licensed ZapThink Architect in SOA, and IASA global CITA-A Certified Architecture Specialist. Previously, Rajesh reviewed the book Service Oriented Java Business Integration, Packt Publishing by Binildas A. Christudas. Rajesh's social profile is available at <https://www.linkedin.com/in/rajeshrv>.

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