

# Learning Spring Boot Second Edition - The Ultimate Guide

Have you ever wondered what Spring Boot is all about? Are you interested in building Java-based applications quickly and easily? Look no further because Learning Spring Boot Second Edition is here to guide you through the process!

Spring Boot is a popular framework that simplifies Java development, making it easier and faster to build robust and scalable applications. In this article, we will delve into the second edition of the book, Learning Spring Boot, which provides a comprehensive guide to mastering Spring Boot.

## What is Spring Boot?

Spring Boot is an open-source framework that offers a simpler and opinionated approach to building Spring applications. It aims to make it easy to create stand-alone, production-grade Spring-based applications with minimal configuration. With Spring Boot, developers can focus more on writing business logic and less on infrastructure concerns.



## Learning Spring Boot 2.0 - Second Edition: Simplify the development of lightning fast applications based on microservices and reactive programming by Greg L. Turnquist(Kindle Edition)

★★★★☆ 4.1 out of 5

Language : English  
File size : 16352 KB  
Text-to-Speech : Enabled  
Enhanced typesetting : Enabled  
Print length : 662 pages  
Screen Reader : Supported



Spring Boot eliminates boilerplate code and complex XML configuration, allowing developers to quickly get started with building applications. It provides a range of features including auto-configuration, embedded servers, and production-ready monitoring. These features make Spring Boot a powerful tool for building microservices and web applications.

## Why Learn Spring Boot?

There are several reasons why learning Spring Boot can benefit developers:

1. **Increased Productivity:** Spring Boot's convention-over-configuration approach and automatic configuration greatly reduce the amount of code and configuration needed. This allows developers to focus more on building application logic rather than setting up infrastructure.
2. **Fast Development:** With Spring Boot, developers can quickly create applications by leveraging its built-in features and powerful set of libraries. This makes development cycles shorter and speeds up time-to-market.
3. **Microservices-Friendly:** Spring Boot is designed to facilitate the development of microservices architecture. Its lightweight and modular nature make it a perfect fit for building and deploying microservices-based applications.
4. **Spring Ecosystem Integration:** Spring Boot seamlessly integrates with other Spring projects, such as Spring Data, Spring Security, and Spring Cloud. This allows developers to leverage the full power of the Spring ecosystem while building applications.

## What's New in the Second Edition?

The second edition of Learning Spring Boot has been extensively revised and updated to include the latest features and enhancements of Spring Boot. Some of the key updates in this edition include:

- **Spring Boot 2.5:** The book covers all the new features and improvements introduced in Spring Boot 2.5, including support for Java 16, GraalVM, and more.
- **Cloud-Native Development:** The second edition delves deeper into building cloud-native applications using Spring Boot and explores topics like containerization, Kubernetes, and cloud deployment.
- **Testing and Debugging:** The book provides comprehensive guidelines on testing Spring Boot applications using different frameworks and tools. It also covers troubleshooting and debugging techniques.
- **Security and Authentication:** Security is a vital aspect of any application. The second edition covers secure application development with Spring Boot, including authentication, authorization, and securing APIs.
- **Reactive Programming:** Reactive programming has gained significant importance in recent years. The book delves into reactive programming concepts and shows how to build reactive applications using Spring Boot.

Learning Spring Boot Second Edition is the ultimate guide for developers who want to master Spring Boot and build robust applications quickly. Whether you're a beginner or an experienced developer, this book provides valuable insights and hands-on examples to help you harness the power of Spring Boot effectively.

No matter your level of expertise, Learning Spring Boot is a must-have resource for anyone looking to become proficient in Spring Boot development.



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### Key Features

- Get up to date with the defining characteristics of Spring Boot 2.0 in Spring Framework 5
- Learn to perform Reactive programming with SpringBoot
- Learn about developer tools, AMQP messaging, WebSockets, security, MongoDB data access, REST, and more

### Book Description

Spring Boot provides a variety of features that address today's business needs along with today's scalable requirements. In this book, you will learn how to leverage powerful databases and Spring Boot's state-of-the-art WebFlux framework. This practical guide will help you get up and running with all the latest features of Spring Boot, especially the new Reactor-based toolkit.

The book starts off by helping you build a simple app, then shows you how to bundle and deploy it to the cloud. From here, we take you through reactive

programming, showing you how to interact with controllers and templates and handle data access. Once you're done, you can start writing unit tests, slice tests, embedded container tests, and even autoconfiguration tests.

We go into detail about developer tools, AMQP messaging, WebSockets, security, and deployment. You will learn how to secure your application using both routes and method-based rules. By the end of the book, you'll have built a social media platform from which to apply the lessons you have learned to any problem. If you want a good understanding of building scalable applications using the core functionality of Spring Boot, this is the book for you.

## **What you will learn**

- Create powerful, production-grade applications and services with minimal fuss
- Support multiple environments with one artifact, and add production-grade support with features
- Find out how to tweak your apps through different properties
- Use custom metrics to track the number of messages published and consumed
- Enhance the security model of your apps
- Make use of reactive programming in Spring Boot
- Build anything from lightweight unit tests to fully running embedded web container integration tests

## **About the Author**

Greg L. Turnquist has been a software professional since 1997. In 2002, he joined the senior software team that worked on Harris' \$3.5 billion FAA telco

program, architecting mission-critical enterprise apps while managing a software team. He provided after-hours support to a nation-wide system and is no stranger to midnight failures and software triages. In 2010, he joined the SpringSource division of VMware, which was spun off into Pivotal in 2013.

As a test-bitten script junky, Java geek, and JavaScript Padawan, he is a member of the Spring Data team and the lead for Spring Session MongoDB. He has made key contributions to Spring Boot, Spring HATEOAS, and Spring Data REST while also serving as editor-at-large for Spring's Getting Started Guides.

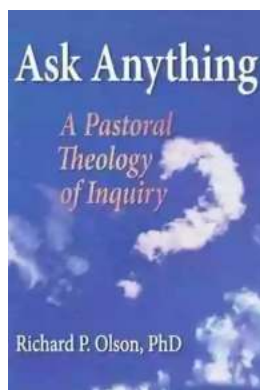
Greg wrote technical best sellers Python Testing Cookbook and Learning Spring Boot, First Edition, for Packt. When he isn't slinging code, Greg enters the world of magic and cross swords, having written the speculative fiction action and adventure novel, Darklight.

He completed his master's degree in computer engineering at Auburn University and lives in the United States with his family.

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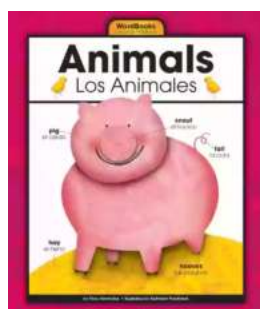
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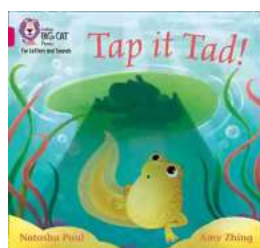
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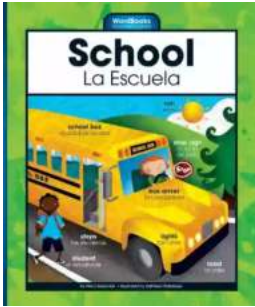
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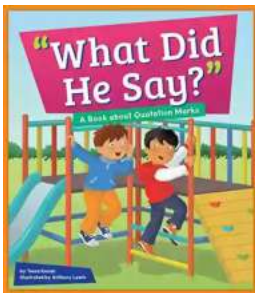
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