

Spring Boot, Part 1 of 4: Getting Started

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Meet the expert: Bharath Thippireddy is an entrepreneur, software architect, public speaker, and trainer.

Bharath is a Sun Certified Developer, Web Component Developer, Business Component Developer, and a Web Services Developer.

While working for companies like Oracle, HP, TCS, Siemens, and NCR; Bharath has architected applications using Java, JEE, JavaScript, and SOA technologies.

He loves learning new things both in technology and personal development and shares them on YouTube and his web site - Sharing is learning!. He has mentored students in classroom trainings, as well as in the corporate world, both in India as well as in USA. He has spoken on technical topics at several agile conferences. While in India he also voluntarily teaches interview and soft skills at Vivekananda Kendra.

Prerequisites: Knowledge of Java and the Spring Framework

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Course description: Spring Boot is an opinionated instance of a Spring application allowing rapid application development platform. It uses various components of Spring, but has additional functionalities. This course covers how to setup and get started with Spring Boot. It covers installation, basics and your first Spring Boot project.

Course outline:

Setup

- Introduction
- 3 Install Java
- 4 Install STS
- 5 Install MySql and MySql Workbench
- 6 Configure JDK in STS
- 7 Launch MySql Workbench
- 8 Postman
- Summary
- Create the Repository
- Testing
- Show SQL
- Summary

Basics

- Introduction
- Problems with Traditional Spring
- Spring Boot Features
- Spring Boot In Action
- Summary

First Project

- Introduction
- Create a Spring Boot Project
- Spring Boot Starters in POM
- @SpringBootApplication
- @SpringBootTest
- Do Dependency Injection
- Testing
- Summary

Spring Data JPA

- Introduction
- Introduction
- Create the project
- Maven Dependencies
- Create Model Class