



JAVA TRAINING

Java Spring Boot Course

Master Java Spring Boot to build robust, scalable applications. Learn to develop microservices and RESTful APIs efficiently.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level Java Spring Boot Course from Computer Pride is meticulously designed to equip Java developers with the essential skills to rapidly build robust, production-ready applications. Over two intensive hours, you will dive into the core principles of Spring Boot, a powerful framework that simplifies the creation of stand-alone, enterprise-grade Spring applications. You will learn to leverage its auto-configuration capabilities, embedded servers, and opinionated setup to accelerate development cycles and reduce boilerplate code, making you highly efficient in modern backend development. The course focuses on practical application, ensuring you gain hands-on experience that is immediately transferable to real-world projects. You will gain proficiency in setting up a Spring Boot project, developing RESTful APIs, and understanding fundamental data persistence concepts using Spring Data JPA. By mastering these core technologies, you will be well-prepared to contribute to microservices architectures and build scalable, maintainable web services. This course is an invaluable step for developers looking to enhance their backend development toolkit, streamline their workflow, and secure roles in companies seeking proficient Spring Boot specialists. Upon completion, you will possess a solid foundation to confidently tackle more complex Spring Boot challenges and integrate it into your professional projects.

Duration	2 hours
Level	Intermediate
Vendor	Java

COURSE CURRICULUM

01 Module 1: Spring Boot Essentials & Project Setup

- Introduction to Spring Boot: Features and advantages
- Setting up a new Spring Boot project using Spring Initializr
- Understanding Maven/Gradle dependencies and project structure
- Exploring Spring Boot's auto-configuration and embedded servers
- Developing and running a basic 'Hello World' Spring Boot application

02 Module 2: Building Basic RESTful APIs

- Core concepts of RESTful architecture and HTTP methods (GET, POST)
- Creating REST controllers with @RestController and @RequestMapping
- Handling request parameters and path variables for dynamic endpoints
- Designing and implementing a simple GET endpoint to retrieve data
- Introduction to JSON for request and response bodies

03 Module 3: Introduction to Data Access with Spring Data JPA

- Overview of Spring Data JPA for simplified data persistence
- Defining entity classes with annotations (@Entity, @Id)
- Creating repository interfaces to perform data operations
- Configuring and connecting to an in-memory database (H2)
- Performing basic CRUD (Create, Read) operations with Spring Data JPA

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Java Backend Developer specializing in microservices**
- > **API Developer focused on building RESTful web services with Spring Boot**
- > **Full-stack Developer (Java-focused) for enterprise applications**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in this 2-hour Java Spring Boot Course?

This course is designed for intermediate Java developers. A strong foundational understanding of Java programming concepts, object-oriented programming (OOP), and familiarity with basic web development concepts (like HTTP requests) are essential to maximize your learning experience.

Q: How will this specific 2-hour course enhance my ability to build modern microservices?

While a comprehensive microservices course requires more time, this course provides the crucial building blocks. You will learn to quickly spin up independent Spring Boot applications, define RESTful endpoints, and manage basic data persistence—all fundamental skills required for developing individual microservice components. This rapid prototyping capability is key for microservice architecture.

Q: Will I be able to integrate the backend skills learned in this course with frontend frameworks like React or Angular?

Absolutely. The RESTful APIs you learn to build with Spring Boot are framework-agnostic. This means any frontend technology, including React, Angular, or Vue.js, can consume the data and services exposed by your Spring Boot backend. This course provides you with the solid backend foundation necessary for developing full-stack applications.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

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