

Spring Framework Program

Build Powerful, Scalable & Secure Java Applications with Spring.





Spring is the most popular framework for **Java-based enterprise applications**, enabling you to build **robust backend systems, microservices, REST APIs, and web apps** with ease. It brings powerful features like **dependency injection, MVC architecture, AOP, and security** to Java development.

At **Certed Technologies**, our **Spring Framework Program** is designed to equip learners with **industry-relevant, hands-on skills** to confidently work with Spring and its core modules including **Spring Boot, Spring MVC, Spring Data JPA, and Spring Security**.

Why Spring? Why Now?

Spring remains the **de facto standard for building enterprise Java applications**.

Why Spring is vital in 2025:

-  Used by 60%+ of Java backend systems and microservices
 -  Seamless integration with **cloud-native architecture, REST APIs, and DevOps pipelines**
 -  Foundation of **Spring Boot**, which powers scalable microservices
 -  Integrated modules like **Spring Security, Spring Data, and Spring Cloud** for full-stack backend apps
-

Learn from Java Enterprise Architects

This course is delivered by **senior backend developers and Java architects**, bringing real-world experience in **enterprise, fintech, and SaaS platforms** built using Spring.

Program Highlights

Feature	Details
Duration	2–2.5 Months / 60–70 Hours
Delivery Mode	Hybrid (Online + Offline)
Tools Covered	Spring Boot, IntelliJ/Eclipse, Postman, MySQL/PostgreSQL, GitHub
Project Work	3+ Real-World Projects + 1 Capstone Project
Certifications	Certed Technologies Certificate + Spring Developer Badge
Career Support	Java + Spring Interview Prep, Resume Review, GitHub Portfolio

What You'll Learn

Module 1: Introduction to Spring

- Why Spring? Ecosystem Overview
- Setting Up Spring with Maven/Gradle
- Dependency Injection & Inversion of Control (IoC)

Module 2: Spring Core Concepts

- Beans, Scopes, and Life Cycle
- Autowiring and Configuration
- Spring Annotations

Module 3: Spring Boot Essentials

- Introduction to Spring Boot
- Starter Projects and Auto-Configuration
- Creating Standalone Spring Boot Apps

- Profiles, Logging, and Actuator

Module 4: Building REST APIs with Spring MVC

- Spring Web & Spring MVC Architecture
- Controllers, Services, Repositories
- JSON Serialization and Response Handling
- Exception Handling & Validation (Hibernate Validator)

Module 5: Database Integration with Spring Data JPA

- Connecting with MySQL/PostgreSQL
- Entity Mapping with JPA & Hibernate
- CRUD Operations with Spring Data Repositories
- Query Methods and Native SQL Support

Module 6: Securing Apps with Spring Security

- Authentication & Authorization
- Role-Based Access Control (RBAC)
- JWT Tokens & Stateless Security
- OAuth2 Basics (Intro)

Module 7: Capstone Project

Capstone Project Ideas:

- E-Commerce Product API with Admin Login
- Student Management System (Spring Boot + JPA + JWT)

- Leave Management Portal for HR Teams
 - Task Management System with Role-Based Access
-

Who Should Enroll?

Ideal for:

- Java Developers looking to move into enterprise & backend roles
 - BTech/MCA/BCA students with basic Java skills
 - Backend aspirants targeting **Spring Boot + Microservices jobs**
 - Professionals transitioning into **Java + Cloud-native architecture**
-

Career Outcomes

Completing this program prepares you for roles like:

- Spring Boot Developer
- Java Backend Developer
- REST API Developer
- Full Stack Java Developer (with React/Angular)
- Software Engineer (Java/Spring Ecosystem)

Key Industries:

Fintech | SaaS | Cloud | Enterprise IT | Logistics | Banking | EdTech

Tools & Platforms Covered

Spring Boot | Spring MVC | Spring Data JPA | Spring Security | IntelliJ IDEA | Maven | Postman | MySQL | GitHub

Sample Project Ideas

- Employee Payroll Management API
 - Blog Platform Backend with Auth & CRUD
 - REST API for Online Course Catalog
 - Inventory Management API with Admin Panel
 - Customer Feedback & Ticketing System
-

Certification

Earn a **Certed Technologies Certificate** and a **Spring Developer Badge**, showcasing your expertise in **enterprise-grade Java application development**.

What Makes This Course Unique?

- ✓ Spring Boot + REST + Security in One Course
 - ✓ Real Projects Deployed via Localhost/Postman
 - ✓ Project-Oriented Code with GitHub Integration
 - ✓ Ready for Tech Interviews (Spring-Based Q&A)
 - ✓ Excellent Foundation for Microservices, Cloud, DevOps Tracks
-

Upcoming Batch

Batch Start Date	Mode	Status
15 July 2025	Online	Open

22 July 2025 Offline Few Seats
Left

05 August 2025 Hybrid Open

Custom Spring Framework Training for Colleges & Corporates

Perfect for:


- Java Placement Labs
- Backend Developer Onboarding Tracks
- Spring Boot for Microservices Bootcamps
- Tech Teams transitioning from Monolith to API-first Architecture

Customization Options

- Add Spring Cloud + Microservices Modules
 - Include Docker + Postgres Integration
 - Customize Capstone Based on Enterprise APIs
 - Weekly Assignments + Performance Reviews
-

Talk to an Advisor

 Email: support@certedtechnologies.com

 Call/WhatsApp: +91-8920158923 | +91-9009015026

Ready to Build Scalable Java Applications?

“Spring makes Java enterprise development elegant, efficient, and enterprise-ready.”
Master the framework trusted by Fortune 500 companies and high-growth startups alike.

[ [Enroll Now](#)] [ [Request a Callback](#)]

? Frequently Asked Questions (FAQs)

- 1. Is Java required before learning Spring?**
Yes, basic knowledge of Java (OOP, Classes, Functions) is essential.
 - 2. Does this course include REST API development?**
Yes, REST with Spring Boot + JSON + Exception Handling is covered extensively.
 - 3. Will I learn database integration?**
Yes, Spring Data JPA + MySQL integration is a dedicated module.
 - 4. Can I use this for interview preparation?**
Absolutely. We include Spring-based coding & theoretical interview questions.
 - 5. Will I learn Spring Security in this course?**
Yes! From form login to JWT-based authentication is included.
-