

# OFFERING

**Empowering  
Spring Boot  
developers to be  
more productive  
and  
confident  
with  
code changes**



**On-demand Online Course  
Offering for Spring Boot  
Software Engineers**

PRAGMATECH GMBH

# Let's face reality - automated testing is often overlooked in software development.

## For many teams, it's an afterthought.



Developers often **dislike writing tests**, and only a few excel at writing automated tests effectively.

While testing is crucial for application reliability, there is **limited interest and knowledge** in this area among developers.

Starting point for many developers:

- Cargo-Cult testing approaches
- Testing is only driven by code coverage KPIs
- Frustrated testing efforts because of lacking guidance and content
- Firefighting mode, jumping from one bugfix to another because of untested code
- Lacking & inefficient tests paralyse bigger refactoring efforts





# The Goal

Establishing automated testing as a enjoyable practice rather than a frustrating afterthought to improve the productivity and increase the confidence in code changes.



When automated testing is rushed and considered as an **afterthought**, it negatively impacts the **quality** and **maintainability** of the project.

By thoroughly testing our code, we can catch bugs early, improve code quality, **ship more faster**, and can refactor code with **more confidence**.

Developers must spend less time fixing bugs and more time writing **meaningful** and **efficient** automated tests.

This directly correlates to less downtime and increased customer satisfaction due to **reliably working software**.



# How to Become Effective at Testing

To understand how automated testing for Spring Boot applications work, developers need to understand:



The mature Java testing landscape and Spring Boot's excellent testing support.



Testing Recipes for various application components.



Processes & structures to effectively integrate testing into their daily work.

There's more to automated testing than learning how JUnit works.

It's essential to understand WHAT and HOW to test various parts of your application.

A solid and reliable automated test suite requires **unit**, **integration** and **end-to-end tests**.



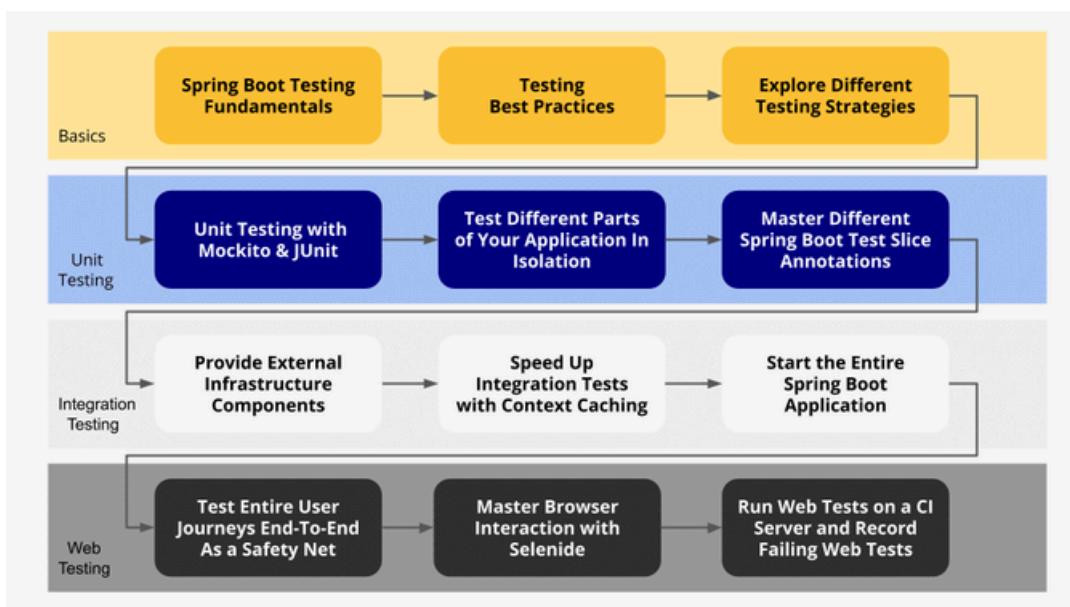
# Testing Spring Boot Applications Masterclass

We've created an **on-demand online course** for developers to never worry about testing their Spring Boot applications again.



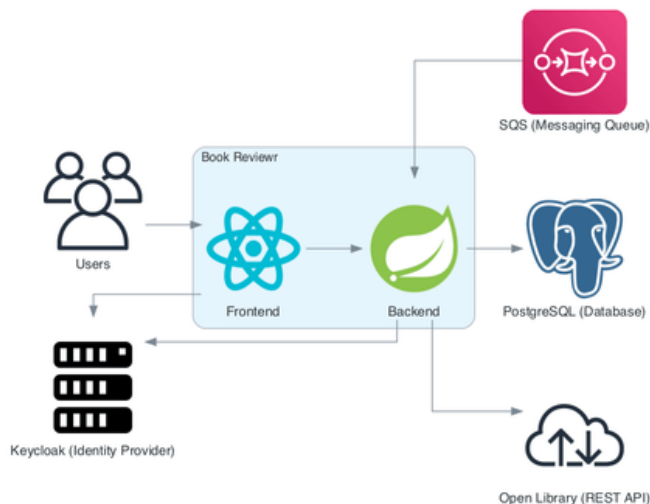
The Testing Spring Boot Applications Masterclass is a **comprehensive** and **12 hours long online course** covering all aspects of automated testing of Java Spring Boot applications.

Developers are guided through the following learning journey:



# Testing Spring Boot Applications Masterclass

All lessons use a **realistic, modern** and **real-world microservice** course application.



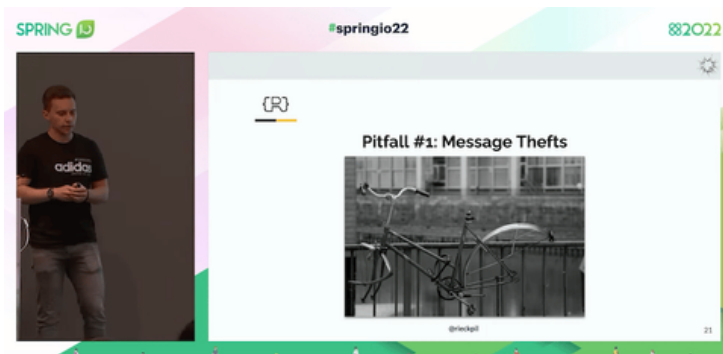
- Self-contained system with Spring Boot (Java) & a Single Page Applications with React (TypeScript)
- Interaction with a database (PostgreSQL), a messaging queue (Amazon SQS), and a remote system (HTTP)
- Covering tests with OAuth2, OpenID Connect, Spring Security, and Keycloak (Identity Provider).
- Focus on today's microservice-based architectures needs and challenges

# The Online Course Instructor



Our course instructor Philip is a **well-known Spring Boot testing expert** and a regular speaker on **international software conferences** like VMWare Explore in Las Vegas, Devovx Belgium or Spring I/O in Barcelona.

He's taught more than 10.000 online course students how to effectively test their applications.



# Course Feedback

 **Zayed Alabbad**  
@zalabbad\_ · Follow

Just completed the "Testing Spring Boot Applications Masterclass" course by @rieckpil. It's one of the best courses I've had and I highly recommend it. Practical real-life examples with a very clear explanation. Thanks Philip!

**CERTIFICATE**  
of Completion

PROUDLY PRESENTED TO  
**Zayed Alabbad**

This Certificate Is Awarded To Zayed Alabbad For Successfully Completing The „Testing Spring Boot Applications Masterclass“.

**Course Topic:** In-Depth Coverage Of Unit, Integration, And End-To-End Testing Techniques And Patterns For Spring Boot Applications Using Testing Tools Like JUnit 5, Mockito, Testcontainers, WireMock, And Selenide.

*Philip Riecks*  
Course Instructor

Certificate Number: 30CD-0807-A08B-A08A  
Certification Date: 24 Dec 2023

9:39 AM · Dec 24, 2023

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 **Mert D.** · 2.  
Software Developer at VDAB | Oracle Certified Profess...  
10 Std. · Bearbeitet ·

+ Folgen

Excited to share that I've completed the Spring Boot Testing Masterclass by Philip Riecks! This comprehensive course delved deep into testing Spring Boot applications, providing valuable insights into crafting effective unit, integration, and end-to-end tests using top-notch testing libraries like JUnit 5, Mockito, AssertJ, JSONAssert, Selenium, Selenide, WireMock, Testcontainers, LocalStack, Awaitility, and SpringBoot Test. The hands-on approach and real-world application scenarios, such as the modern full-stack application built with Java 21, Spring Boot 3, React 18, TypeScript 4, AWS, PostgreSQL, and Keycloak, have significantly boosted my confidence and productivity in ensuring the robustness of Spring Boot applications.

A heartfelt thanks to Philip Riecks for the outstanding guidance and expertise shared in the course. Also, immense gratitude for my employers at VDAB and Vlaanderen connect. for providing the opportunity to enhance my skills. Excited to implement these learnings and contribute to building better Spring Boot applications!

#SpringBoot #TestingMasterclass #ContinuousLearning

 **Xavier Escudero Sabadell** · 1.  
Principal Software Test Architect  
5 Tage ·

I've just completed the Testing Spring Boot Applications Masterclass!

The depth and completeness of the content truly stands out. Exceptional content with comprehensive coverage and rich examples about JUnit5, Mockito, Spring Boot Testing, Test Containers and Wiremock, among others.

Great course, Philip Riecks!!!!

**CERTIFICATE**  
of Completion

PROUDLY PRESENTED TO  
**Xavier Escudero Sabadell**

This Certificate Is Awarded To Xavier Escudero Sabadell For Successfully Completing The „Testing Spring Boot Applications Masterclass“.

**Course Topic:** In-Depth Coverage Of Unit, Integration, And End-To-End Testing Techniques And Patterns For Spring Boot Applications Using Testing Tools Like JUnit 5, Mockito, Testcontainers, WireMock, And Selenide.

*Philip Riecks*  
Course Instructor

Certificate Number: 3035-0807-193B-A860  
Certification Date: 30 Jan 2024

Sie und 36 weitere Personen  
5 Kommentare · 1 direkt geteilter Beitrag

**CERTIFICATE**  
of Completion

PROUDLY PRESENTED TO  
**Mert Demirok**

This Certificate Is Awarded To Mert Demirok For Successfully Completing The „Testing Spring Boot Applications Masterclass“.

**Course Topic:** In-Depth Coverage Of Unit, Integration, And End-To-End Testing Techniques And Patterns For Spring Boot Applications Using Testing Tools Like JUnit 5, Mockito, Testcontainers, WireMock, And Selenide.

*Philip Riecks*  
Course Instructor

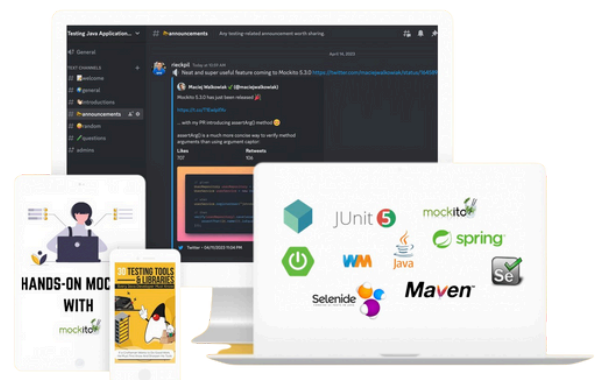
Certificate Number: 97DE-79C0-54D8-A72D  
Certification Date: 31 Jan 2024

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2 Kommentare · 1 direkt geteilter Beitrag

# Summary

- ✓ Get in-depth knowledge how testing Spring Boot applications works - once and for all.
- ✓ Explore the Java Testing ecosystem.
- ✓ Learn how to write reliable unit, integration, and end-to-end tests.
- ✓ Empower developers to become more productive and confident in code changes.
- ✓ Stop the firefighting mode and establish confident software delivery.

Start educating your Spring Boot developers how to effectively test their applications with the **Testing Spring Boot Applications Masterclass**.



**“Quality is not an act. It  
is a habit” – Aristotle**



## **Let's Connect**

Reach out via

<https://pragmatech.digital/#Contact>

or DM our managing director  
Philip Riecks on LinkedIn