

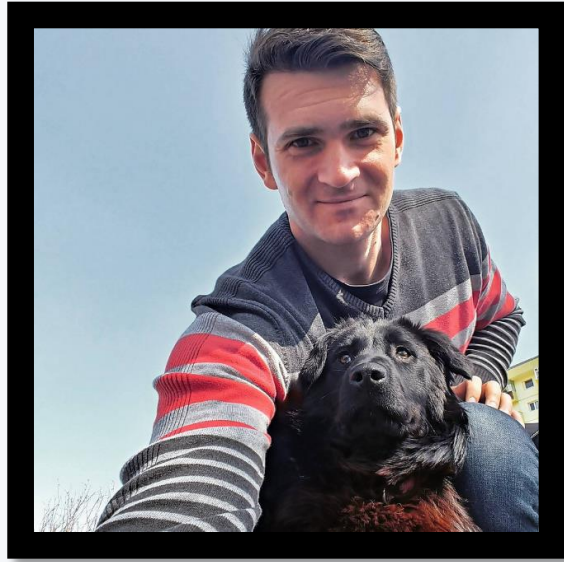
Web Development with



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IBM Romania, 24.02.2021

Please mute your microphone during the training to avoid background noise



Java Developer

Delivery of 3 Spring Boot projects in the last 4 years

Other trainings:

- 3 x Java SE for beginners
- >15 x Staging procedure on a custom on-premise infrastructure
- 7 x organizer and trainer at “Science and Engineering Summer School – Transylvania University”
- Develop Serverless Applications with IBM Cloud Functions
- Interface Mocking with Wiremock

Agenda



Create a new Spring Boot project

Implement Controllers, create request mappings

GET/POST Requests, Path variables, Request Body and Request parameters

Use the Thymeleaf templating engine

Create new HTML pages with Bootstrap

Dependency Injection / Inversion of Control

MVC Architecture

Add a new H2 database and create a connection

Differences between Spring and Spring Boot

Spring

The Spring framework provides infrastructure support for developing Java applications

It provides modules and out of the box features like:

- Dependency Injection
- Spring JDBC
- Spring Data JPA
- Spring Security
- Spring Test

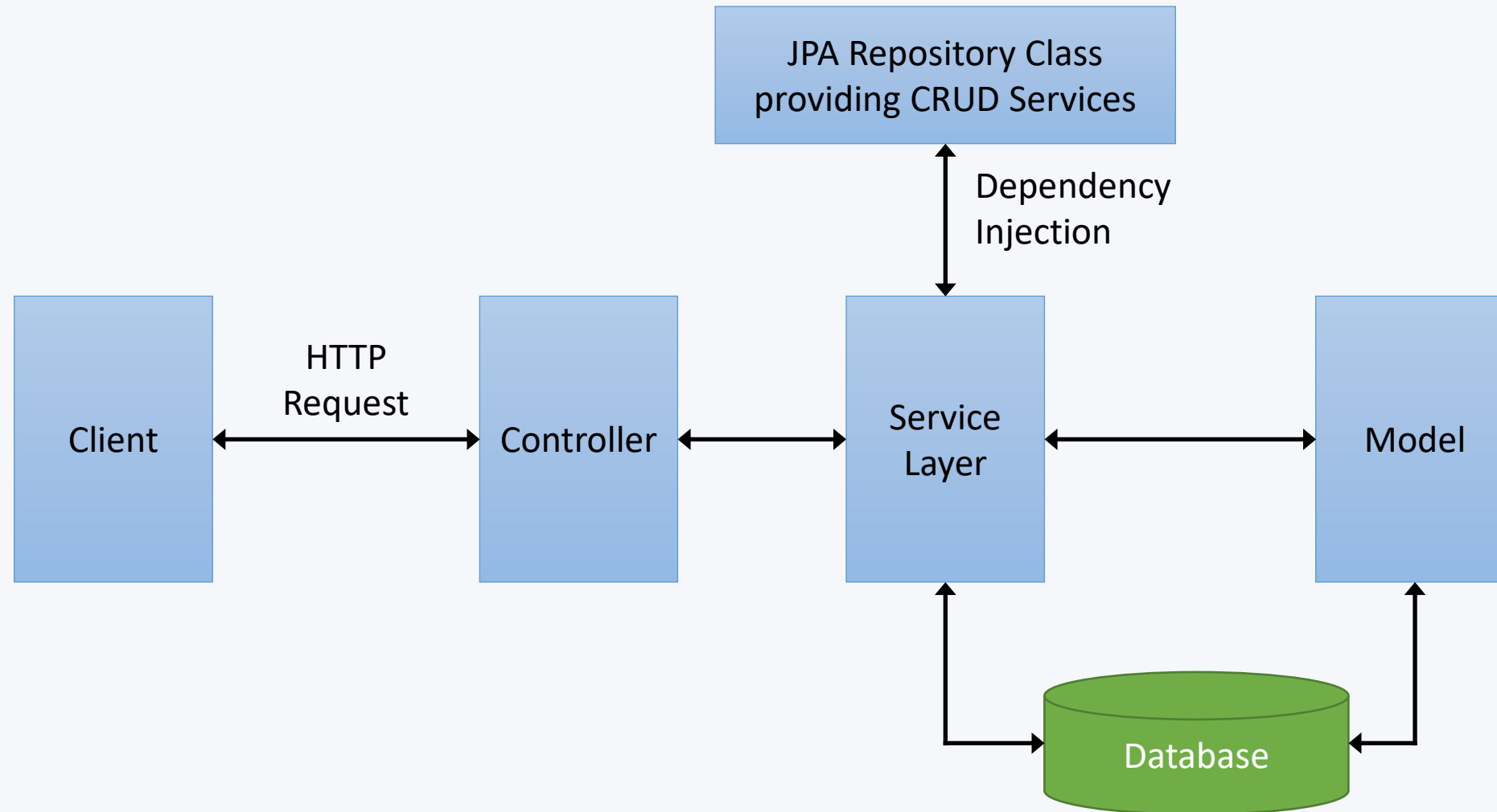
Spring Boot

Spring Boot is an extension of the Spring framework which eliminated the boilerplate configurations required for setting up a Spring application.

Its features are:

- Usage of 'starter' dependencies to simplify build and application configuration
- Embedded server to avoid complexity in application deployment
- Automatic config for Spring functionality

Spring Boot Flow Architecture



Spring Boot

Demo time!

Spring Boot Layers

