

The Speaker

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Topics

Or what we see today

- ►What is Java?
- ► What is a Framework?
- ►What is Spring?
- ► What is Spring Boot?
- ► Basic Spring Boot Annotations
- ►Live Example Workshop



What is Java?

- Object-oriented programming
- General
- **►**Enterprise
- ►Two Major Release-types
 - -Oracle JDK
 - -Open JDK



What is a Framework?

- ► Source Code Library
- Standard Solutions for Common Problems
 - For example: Security Implementation



What is Spring?

Spring makes programming Java quicker, easier, and safer for everybody. Spring's focus on speed, simplicity, and productivity has made it the world's most popular Java framework.



What is Spring Boot?

Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can "just run".



What is Spring Boot?

- Stand-alone applications
- Embed Web Server
- Automatically configure
- Production-ready features
- No requirement for XML configuration



Basic Spring Boot Annotations

- ▶ @ Bean
 - indicates that a method produces a bean to be managed by Spring.
- @Service
 - indicates that an annotated class is a service class.
- @Repository
 - indicates that an annotated class is a repository, which is an abstraction of data access and storage.
- @Configuration
 - indicates that a class is a configuration class that may contain bean definitions.



Basic Spring Boot Annotations

- @Controller
 - marks the class as web controller, capable of handling the requests.
- @RestController
 - Marks the class as rest controller, capable of handling the requests.
- @RequestMapping
 - maps HTTP request with a path to a controller method.
- @Autowired
 - marks a constructor, field, or setter method to be autowired by Spring dependency injection.
- @SpringBootApplication
 - enables Spring Boot autoconfiguration and component scanning.



Live Example – Workshop





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