Spring Advanced

Course Introduction

SoftUni Team

Technical Trainers

Software University

Software University

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#java-web

SoftUni Diamond Partners

Course Objectives & Program

Spring Advanced – Course Program (1)

- Course Introduction: Course Program, Trainers, Exams, Resources

- Web API and REST Controllers

- Spring Security

- Workshop – First Part

- Error Handling

- Events

- Unit and Integration Testing
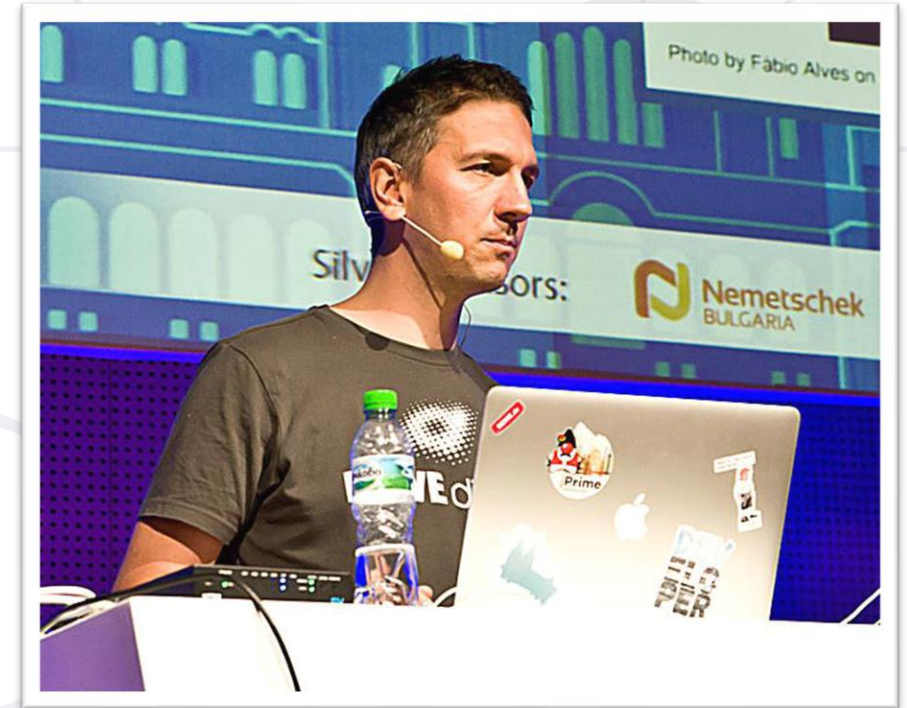
Spring Advanced – Course Program (2)

- Workshop – Second Part

- Deployment, Hosting and Monitoring

- Aspect Oriented Programming (AOP)

- Spring for Apache Kafka

- Containerization & Documentation

- Workshop – Third Part and Q&A

- Project Defense

The Trainers Team

Lachezar Balev

- **Software engineer with 20+ years of real experience** with different projects

- **Started developing with Java in the year 2000** in the form of J2SE 1.2

- **Works at REWE Digital Bulgaria** on an architecture focused on **microservices**

- Uses **Java**, **TypeScript**, and **Kotlin** in his daily tasks

- Rides a **motorcycle** and **climbs mountains** in his spare time

- Personal website: **http://balev.eu/**

Photo by Fábio Alves on

Galin Gospodinov

- Member of Technical Staff @ **VMware**

- **3+ years** of professional programming experience

- Top student at SoftUni

Course Organization

Java Web Module at SoftUni – Timeline

13-Sept-2023

23-Oct-2023

9/10-Dec-2023

Spring Fundamentals

Lessons + exam
6 weeks * 2 times / week
12 credits

Start: 13-Sept-2023
Theoretical Exam: 21-Oct-2023
Exam: 21-Oct-2023

Spring Advanced

Lessons + exam
6 weeks * 2 times/week
18 credits

Start: 23-Oct-2023
Theoretical Exam: 9/10-Dec-2023
Project Defense: 9/10-Dec-2023

Re-Take Exams

Fundamentals:
14-Dec-2023

Advanced:
20-Dec-2023

SoftUni Certificate

Practical Exam 100%

Evaluation

CPE Certificate

Evaluation

Theoretical Exam 100%

Project

- Web project

  - Implementing your **own web application** using Spring Framework

  - Following **project constraints**

  - **Project Defense**: 20 minutes

    - Present application workflow

    - Show your implementation

    - Answer of some questions from commission

Theoretical Exam

- Test for 30 minutes
  - Multiple-choice with one correct answers
  - English
- Automated quiz system
- Available online the day of the practical exam
  - You can submit your answer just one time

Project Assignment

- The three best projects will win a discount for the next course (professional / open program)

  - First place – 80% of the price

  - Second place – 50% of the price

  - Third place – 30% of the price

Learn to Search in Internet

- The course assignments require to **search in Internet**

  - This is an important part of the learning process

  - Some exercises intentionally have no hints

- Learn to find solutions!

  - Software development includes **everyday searching and learning**

  - No excuses, **just learn to study**!

  - Developers learn new technologies, tools, languages every day!

Resources

What We Need Additionally?

Spring Advanced: Web Site, Forum, FB Group

- Official web site:

  https://softuni.bg/trainings/4236/spring-advanced-october-2023

- Official discussion forum:

  https://softuni.bg/forum/categories/72/java-web

- Official Facebook group:

  https://www.facebook.com/groups/javawebseptember2023

- Community Facebook group:

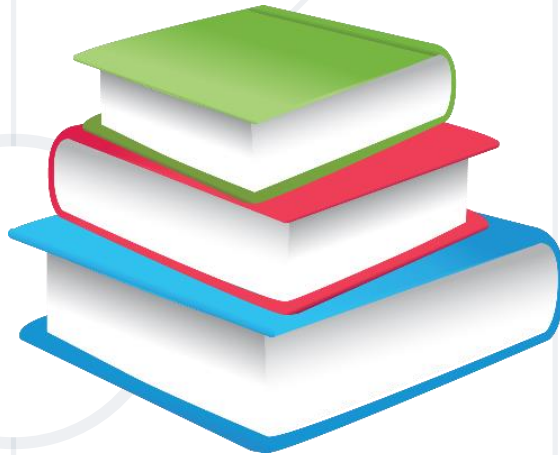 https://www.facebook.com/groups/SoftUniJavaCommunity/
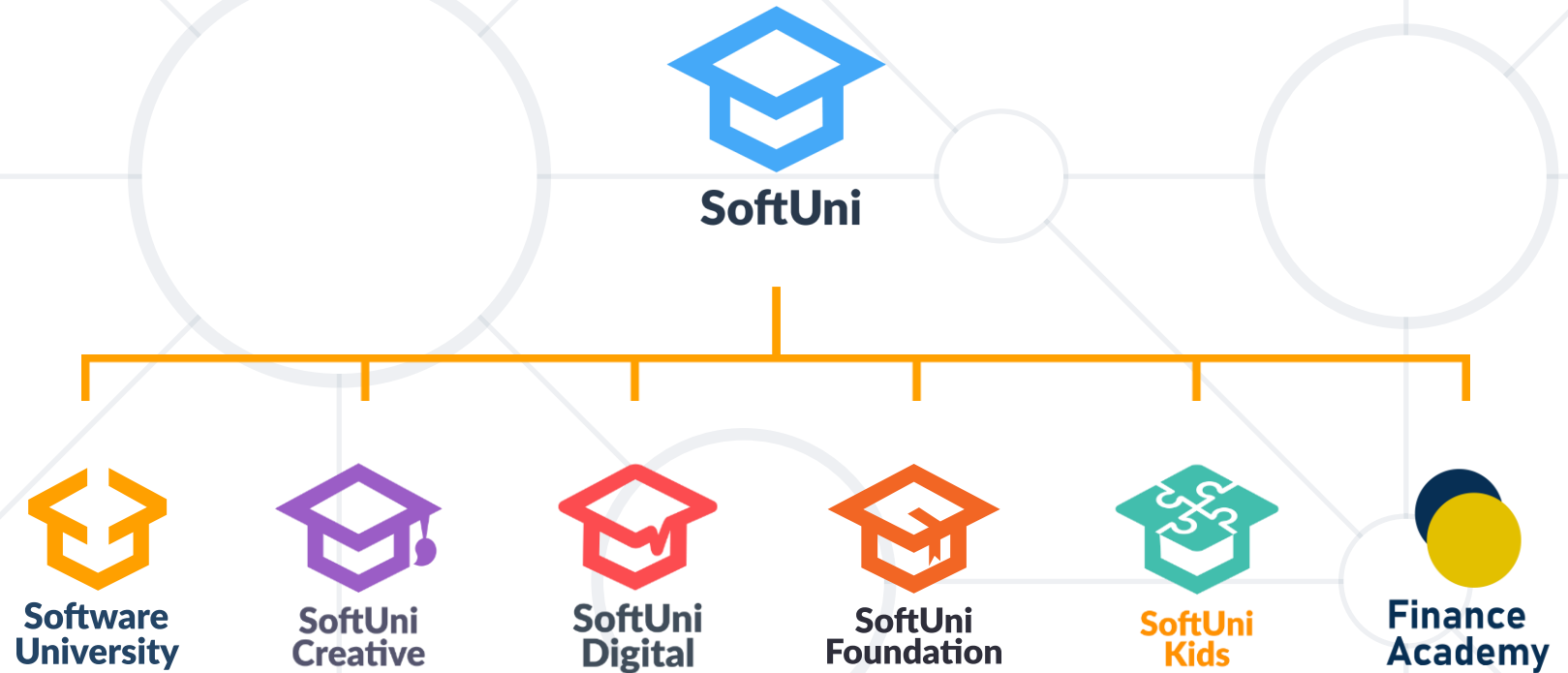
Spring Advanced Slides and Videos

- All lecture **slides**, **videos**, **homework assignments**, **projects** and other resources are open content, available for free
  - Visit the course web site to access the course resources

Questions?

Trainings @ Software University (SoftUni)

- Software University – High-Quality Education, Profession and Job for Software Developers
  - softuni.bg, about.softuni.bg
- Software University Foundation
  - softuni.foundation
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