

Software Engineering Track - OCP Topics and Security

Group Training

Training code CGASETOSCE

Spoken Language English

Language Materials English

Dayparts 20

Price €2.950,00

excl. VAT No extra costs.

What is Software Engineering Track - OCP Topics and Security

After following the OCP Topics and Security course, you can develop modern web applications in Java using the Spring framework, and protect them with Spring Security.

During this software engineering course we start with theory and individual assignments in the morning. In the afternoon, after lunch, you're part of a Agile working development team. Within this group project, you are able to apply what you learned in the morning. Together with your team, you deliver a new release of your web application each week. Which you then present to your client.

You learn how to work with generics, the Java Stream API and lambda expressions in order to functionally program in Java. You also learn how to work with threading and concurrency. You will also learn the principles of secure programming, using authentications and working with Spring Security.

Who should attend Software Engineering Track - OCP Topics and Security

This course is suitable for you if you want to extend your basic Java knowledge, but also contains in depth content for the advanced programmers.

This training helps you lay a good foundation in developing secure web applications. You work together in a professional Scrum team in building a complete web application in Java and HTML / CSS / JavaScript with the Spring Boot framework and connected to a database (MySQL). You learn not only to use these techniques, but how to make a valuable contribution to a team.

The OCP Topics and Security training offers sufficient challenges and learning moments for the advanced IT specialist. In the Scrum team you can take a senior software engineer role as, showing that you have an eye for software quality of both yourself and others.



Prerequisites

Basic knowledge of Java (OCA topics, not necessary to have already achieved OCA), familiar with the Spring framework, basic knowledge of front end (HTML / CSS / JavaScript). See for example the SE Track - Foundations.

During this training you need a laptop on which you can install software: IntelliJ IDEA – The Leading Java and Kotlin IDE (https://www.jetbrains.com/idea/download).

Objectives

The purpose of this training is to deepen and broaden your Java knowledge and learn to program safely. You learn to work with multiple Java OCP topics, such as generics, lambda expressions and concurrency. You also learn the principles of safe programming.

After this training you can apply these concepts when building a modern web application and protect it with Spring Security.

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