iSAQB Foundation (Mastering Software Architectures)

Kód kurzu: ISAQB_CORE

a solid, practical and pragmatic introduction to architecture with lots of exercises. You will learn and practise the different tasks of software archtects using an extensive case study. The focus is on a methodical and systematic approach to architectural design and evaluation. You will receive concrete tips on how to proceed in development projects, supported with practical examples.Ideal preparation for the iSAQB CPSA-F exam
This training is accredited by iSAQB and covers the complete curriculum of CPSA Foundation Level.Therefore, besides offering a high degree of practice our seminar Mastering Software Architecture offers an ideal and effective way to prepare yourself for the iSAQB CPSA Foundation Level certification.We have successfully prepared more than 3000 persons for the exam in the last couple of years.

Pro koho je kurz určen

This course is primarily for developers an architects that want to understand the role "software architect" and learn about their tasks and skills.
If you are project manager, product manager, product owner or Scrum coach? You will get an easy to understand introduction to software architecture so that you and your development teams will be able to communicate in a common language.

Informace ohledně iSAQB CPSA-F zkoušky

We organisize the exam for you, and (optionally) reserve a seat for the exam. The fee for the exam (currently € 250,- + VAT - where applicable) will be sent to you after the course. You don't need to do anything explicitly - you can cancel your interest in the exam even during the seminar.

Studijní materiály

Besides extensive training materials and exercises you will receive a couple of books to study at your leasure.

Osnova kurzu

Introduction and Motivation

- Tasks, role and responsibilities of software architectures
- Architecture in the development process
- Clarifying Requirements &constraints
- Deriving architectural or quality goals

Documentation of Architecture

- Goals and requirements for architecture documentation
- Typical architecture documents
- Architectural views

The Architecture Development Process

- Methodological tools for developing software architecture
- devolping business architectures
- Domain Driven Design
- Quality Driven Design: tactics and practices to achieve quality goals
- Top Down vs. Bottom Up Approaches

Architectural Views

- Building Block View: Building Blocks &Interfaces
- Runtime View: describe processes and scenarios
- Deployment View: Infrastructure and deployment of building blocks to it

Cross-cutting ConceptsPermalink

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- conceptual design

Patterns and Principles

- Architecture and Design Patterns
- Fundamental Design Principles

Analysis and Evaluation of Software ArchitecturesPermalink

- qualitative and scenario-based Evaluation of architecture (e.g. ATAM)
- quantitative evaluations and effective use of metrics

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