Certificate

Domain-Driven Design
Tactical Software Architecture

Nico Ismaili

participated in the course **"Tactical Software Architecture: Domain Driven Design"** on 12. January 2023 (Duration: 3,5 hours) and successfully completed the course.

- **Overview of Domain-Driven Design:** The core components and why should it be used in the development of strategically important software

- **Application Architecture:** Benefits of a "technology free domain model". Concept of "ports and adapters" and hexagonal architectures.

- **Tactical Patterns and Building Blocks:**
  - Value Objects, Entities and Domain Services
  - Domain Events
  - General Principles and Goals

- **Design Patterns:**
  - Aggregates, Aggregate Roots and Invariants
  - Factories and Reconstitution
  - Repositories and Repository Implementation Examples
  - Livecycle Overview

- **Modelling in praxis:**
  - Modeling the Domain
  - References and why to reduce them
  - Code Organisation, Modules and Namespaces
  - Typical DDD Smells

Domain-Driven Design is a family of software and architecture patterns and best practices. It is also a process that aligns code with the reality of the problem domain and allows developers and domain experts to work together.

The training starts with a reflection on common challenges in software development and where DDD practices are appropriate to address these challenges.

Then an overview of tactical DDD building blocks and design pattern is given and practical implementation know-how for them is provided.

Wiesbaden, January 12, 2023

Stefan Rotsch

Stefan Rotsch
- Trainer -

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