Spring Boot Microservices

- **Introduction to Microservices**
    - Basic principles
    - Pros and Cons of Microservices oriented Architecture

- **Modeling Microservices**
    - Functional decomposition
    - Introduction to Domain Driven Design
    - Domain model
    - Bounded context
    - Principles and Patterns

- **Microservices implementation - Spring Boot**
    - Spring Boot introduction
    - Web applications and embedded Web server
    - Data persistence

- **Microservices implementation - Spring Cloud**
    - Configuration server
    - Service registry
    - Client side load balancing
    - Resiliency – Circuit breaker, Retry
    - Declarative REST client

- **Integration of Microservices**
    - Communication styles
    - Open API
    - Messaging with Spring Cloud Streams
    - API GTW

- **Deployment of Microservices**
    - Virtualization and Containerization
    - Docker
    - DevOps and CI/CD
    - Scalability

- **Microservices Testing**

- **Operating Microservices**
    - Centralized logging
    - Monitoring, Spring Actuator, Spring Admin server
    - Distributed tracing