DevOps & Cloud Computing im Java Umfeld

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Einführung

* Technologie und Architektur Überblick
* Agile dynamische Software Entwicklung (CI/CD)
* DevOps
* Cloud Computing – IaaS & PaaS

Continuous Integration and Delivery

* Jenkins CI (Continuous Integration)
* Jenkins Buildfiles
* Ansible Basics

Automation - Ansible

* Ansible Overview
* Infrastucture/Network Automation
* (Java) Application Automation
* Ansible Cloud Automation

Micro Service & Architecture

* Micro Service Overview and Concepts
* Framework Overview - Quarkus, Vert.x, Spring Boot
* Quarkus Micro Service Development
* Hybrid Architecture & Building Blocks

Cloud Computing

* Public Cloud Provider Overview (AWS, Google, Microsoft)
* Amazon Web-Service Building Blocks – Services & Databases
* Amazon EC2 and Container Services

Container

* Docker Images erstellen
* Deployment und Konfiguration auf Amazon EKS (Kubernetes Service)
* Amazon AWS Fargate