Performance, Architecture and Microservices

September 2017

The Laws of Architecture

BASE vs. ACID, or how to start a project

Essential architectural and design patterns

DRY and DIE

KISS

YAGNI

High-performance Java EE

Performing stress and load tests

Typical design flaws of Java EE applications

Identifying performance bottlenecks

Identifying memory leaks

Implementing Key Performance Indicators and metrics

Application server tuning

JVM tuning in Java EE context

Tools and utilities

What are "microservices"?

Designing for scalability

Load balancing with or without clusters

Logging and exception handling strategies

Designing health checks

Dealing with concurrency

Errorhandling and error recovery (aka resilience)

Any questions left? :-)