



Birgit Kratz

Softwarearchitektin und Entwicklerin
Java, Cloud, SpringBoot, Clean Code

Professional Summary

- **Software developer specialized in Java, SpringBoot, Cloud, and software architecture**
- **Trainer, international conference speaker, conference and meetup organizer**
- Many years of experience in backend development of web applications
- Experience working on **large** and **medium-sized** (agile) **projects/teams** in various industries, including financial services, insurance, logistics, retail, and manufacturing
- Passionate about agile development methodologies, Clean Code principles (especially TDD), and Domain-Driven Design (DDD)
- Proficient in common programming languages (Java, Spring, Spring Boot, REST, JSON, XML, SQL...), development tools (IntelliJ IDEA, Git, Maven, Jenkins, Nexus...), and frameworks (Spring, Spring Boot, Microservices, Docker, Kubernetes, JUnit, Mockito ...)

Principles (which I consider essential in a project environment)

- Readable code (Clean Code)
- Test-Driven Development (TDD), Domain-Driven Design (DDD)
- Pair/Mob Programming, Refactoring
- Continuous communication, continuous learning, and knowledge sharing

Projects

Backend Development for Contract Migration from Mainframe to Web Application

Jul 2022 - Present

Lead Developer

- Working in a small team consisting of mainframe and Java backend developers
- Designing and implementing the migration application architecture
- Automating builds and deployments using Jenkins and Docker
- Performance measurement and optimization to ensure a fast migration (~1 million contracts)
- Intensive and production-like testing of the migration application
- Documentation of the migration application and test results, extensive logging and log analysis

Technologies:

TDD, Pair Programming, IntelliJ IDEA, Java 21, Spring Boot, Message Queue, Docker, OAuth, OpenId-Connect, JUnit5, DB2, PostgreSQL, Maven, Git, Jenkins, Sonar, JIRA, Confluence, AsciiDoc

Backend Development for a New Collection Services Platform

Architect, Lead Developer

May 2020 - Jun 2022

Contact Details

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Skills

Java 22+	● ● ● ● ●
Spring Boot	● ● ● ● ●
RESTful APIs	● ● ● ● ●
Microservices-Architektur	● ● ● ● ●
Softwarearchitektur	● ● ● ● ●
Clean Code	● ● ● ● ●
Kubernetes, Docker, Helm	● ● ● ● ●
Testcontainers	● ● ● ● ●
Unit-Testing (JUnit5, Mockito)	● ● ● ● ●
Git	● ● ● ● ●
PostgreSQL	● ● ● ● ●
OAuth2, OpenId-Connect	● ● ● ● ●
Maven	● ● ● ● ●

Languages

English	● ● ● ● ●
Russian	● ● ● ● ●

Profile Links

Webseite

https://www.birgitkratz.de/uploads/Profil_de.pdf

Education

Technical Cybernetics and Automation Technology

TU Dresden
Sep 1987 - Jun 1992

- Agile development in a Scrum team
- Close collaboration and coordination with other Scrum teams and client development teams
- Architecture design and implementation
- Staging concepts, automation of builds and deployments using Jenkins (CI/CD)

Technologies:

TDD, Pair Programming, IntelliJ IDEA, Java 17, REST Services, Spring Boot, Docker, Kubernetes, Helm Charts, OpenAPI, OAuth, OpenId-Connect, HashiCorp Vault, JUnit5, Gauge, MongoDB, Maven, Git, Jenkins, Sonar, JIRA, Confluence, Azure, Rancher, OTC, Asciidoc

Backend Development for a Mobile Backend Framework in the Automotive Industry Consultant, Developer

Mar 2019 -
Apr 2020

Agile development in a Scrum team

Technologies:

IntelliJ IDEA, Java 8, REST Services, JSON, JUnit 5, Git, Jenkins, JIRA, Confluence, Sonar, Kubernetes, FitNesse

Development of a Port Advisor for Deutsche Post Consultant, Developer

Oct 2018 - Feb
2019

Agile development in a Scrum team

Technologies:

IntelliJ IDEA, Java 8, Spring Boot 2, REST Services, JSON, ANTLR, JUnit 5, Git, Jenkins, JIRA, Confluence, Sonar, TeamCity

Various Other Projects Consultant, Lead-Developer

Industries:

- Retail
- Banking
- Industry
- Biotechnology
- And many more

Courses

Angular & TypeScript Intensiv-Schulung

Workshops.de
Nov 2024

Kubernetes Certified Application Developer (CKAD)

Udemy
Present