Michael Keller

BACKEND ENGINEER JAVA / SPRING · CLOUD-NATIVE SERVICES

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linkedin.com/in/michael-keller-me · michaelkeller.me · Date of birth: 9 October 1997
German (native) · English (C1, business fluent) · Korean (TOPIK 3급)

PROFESSIONAL SUMMARY

Backend & DevOps engineer with over five years of professional experience (seven including working-student roles), including more than four years of Java/Spring development (JVM). I build and run production backend services following the "you build it, you run it" principle: from API design and asynchronous RabbitMQ messaging to deployment, monitoring, logging and OpenTelemetry tracing. At Mitigant, I built and operated the backend services and multi-cloud infrastructure of a cloud security SaaS on AWS, Azure and GCP.

TECHNICAL SKILLS

Backend Development: Java (LTS 11, 17, 21), Spring Boot / Spring Framework, Hibernate / JPA, RESTful APIs, RabbitMQ, WebSocket, OpenTelemetry (OTLP)
Build & Code Quality: Gradle, Maven, JUnit, Mockito, peer code reviews
Containers & Orchestration: Kubernetes, Docker, Helm
CI/CD & DevOps: GitLab CI/CD, GitHub Actions, Jenkins, Bitbucket Pipelines, Terraform, JFrog Artifactory, Harbor
Databases: PostgreSQL, MySQL, MariaDB, MongoDB, Redis, Elasticsearch
Cloud & Monitoring: AWS, Azure, GCP; Datadog, AWS CloudWatch, Azure Monitor, GCP Logging

PROFESSIONAL EXPERIENCE

Backend & DevOps Engineer — Mitigant GmbH *04/2023 – 10/2026*

- Built and operated the production Java/Spring services of a cloud security SaaS and owned their full lifecycle – from API design and asynchronous RabbitMQ messaging to deployment, monitoring, logging and alerting (Datadog, AWS CloudWatch, Azure Monitor, GCP Logging)
- Designed, built and launched the KSPM product: a Java/Spring gateway connecting customer clusters, asynchronous communication via RabbitMQ, an in-cluster agent supporting multiple Kubernetes distributions, and a custom Helm chart
- Implemented and maintained CSPM detection rules in an engine of more than 600 rules, built on the native APIs and SDKs of AWS, Azure and GCP, and wrote Terraform remediation templates for all three clouds
- Owned the multi-cloud infrastructure with Terraform, including cost optimization, the migration of production services from Azure to GCP and of CI/CD pipelines from Jenkins to GitHub Actions

Cloud Consultant — Pexon Consulting GmbH *07/2022 – 02/2023*

- Designed and implemented backend features from user stories in an agile environment for Siemens Mobility's production test automation system (electric trains)
- Independently migrated the legacy PHP codebase from PHP 5.6 to PHP 8.2

Backend Engineer / Consultant — Bieber-Systems GmbH *01/2021 – 06/2022*

- Built the backend of an e-commerce membership platform from scratch (PHP/Laravel, PostgreSQL), including REST APIs, payment integrations (PayPal, Sofort, direct debit via PayOne) and a management dashboard; ensured quality through peer code reviews *(working student until 11/2021)*
- Owned deployment and CI/CD (AWS EC2, Ploi, Bitbucket Pipelines), configured Nginx and consolidated several MariaDB databases into one central PostgreSQL database

Backend Engineer (Working Student) — Powmio GmbH *09/2019 – 12/2020*

- Developed a Spring Boot backend (Gradle) for a passenger transport app in Switzerland, including an automatic ride-assignment algorithm, GPS tracking and Firebase push notifications; unit testing with JUnit and Mockito
- Developed a Spring Boot backend (PostgreSQL) for an online configurator for custom illuminated ceiling systems, and administered server and deployment processes

EDUCATION

B.Sc. Business Information Systems — Karlsruhe University of Applied Sciences *10/2017 – 12/2021*
Grade 1.9 (German scale, 1.0 = best) · Exchange year — Ajou University, Suwon, South Korea *(09/2020 – 06/2021)*

CERTIFICATIONS

AWS Certified Solutions Architect – Associate *(obtained 07/2022)* · AWS Certified Developer – Associate *(obtained 08/2022)*