Julia Weber

Munich, Germany

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Education

Technical University of Munich

Master of Science in Computer Science

Oct 2019 – Mar 2022 | Munich, Germany

GPA: 1.2/1.0 (German grading system, 1.0 is best)

Activities: Student Research Assistant, University Programming Contest Team, Women in Engineering Group

Relevant Coursework: Advanced Algorithms, Programming Language Theory, Parallel Computing, Human-Computer Interaction, Software Engineering, Web Technologies, IT Security

Bachelor's Degree: B.Sc. in Computer Science, University of Stuttgart, Grade: 1.4/1.0

Work Experience

Backend Developer | BMW Group | Apr 2022 - Present | Munich, Germany

- Developed REST APIs and microservices for connected car platform using Java Spring Boot and Kotlin.

- Implemented event-driven architecture with Apache Kafka for real-time vehicle data processing.

- Designed and optimized database schemas and queries for vehicle telemetry data handling 10M+ events daily.

- Collaborated with cross-functional teams to integrate backend services with mobile applications and in-car systems.

Skills

Programming: Java, Kotlin, Python, JavaScript, TypeScript, Go

Frameworks: Spring Boot, Quarkus, Express.js, Flask, FastAPI

Databases: PostgreSQL, MySQL, MongoDB, Elasticsearch, InfluxDB, Cassandra

Messaging: Kafka, RabbitMQ, ActiveMQ, MQTT

DevOps: Docker, Kubernetes, Jenkins, GitLab CI/CD, Terraform

Cloud: AWS (EC2, ECS, Lambda, SQS), Google Cloud Platform

Other: Microservices, RESTful APIs, Event-Driven Architecture, TDD, Domain-Driven Design

Certificates

Spring Professional Certification

AWS Certified Solutions Architect – Associate

Oracle Certified Professional: Java SE 17 Developer

Certified Kubernetes Application Developer (CKAD)

Awards

Innovator of the Year – BMW Group Digital Innovation Award 2023

Finalist – German National Programming Contest 2021

TUM Excellence Scholarship Recipient 2019-2022