



Backend Software Engineer with 3+ years of experience developing projects in the Aviation and Banking industry. Experienced in migrating legacy systems to cloud-native architectures and improving the performance of high-traffic applications. Proficient in the Java/Spring Boot ecosystem, with a strong background in DevOps practices, self-hosted infrastructure, and developer tooling.

EXPERIENCE

- Turkish Airlines Technology
Java Software Engineer 08/2024 – Present
• Developed critical applications used by 10,000+ cabin and cockpit crew, including a document assignment app and flight destination info system, Mobile Cabin Assistant.
• Optimized performance of legacy backend projects to improve response times by approximately 20%.
• Adding MCP AI Integration to existing projects.
• Fixed critical security vulnerabilities using Fortify and TruffleHog to ensure secure deployment pipelines.
• Tech Stack: Java Spring Boot, OpenShift, S3 Object Storage, Kafka.
• Consultant (via Experilabs)
- Yapi Kredi Bank
Java Software Engineer 05/2023 – 08/2024
• Contributed to a monolith-to-microservices migration using Java Spring Boot and ReactJS.
• Developed a utility Mock API tool (REST / SOAP) and a custom IntelliJ plugin to accelerate development workflows.
• Achieved 90% Unit and Integration Testing coverage using JUnit, WireMock, and RestAssured.
• Utilized SAP PowerDesigner, Jira, Confluence, and Bitbucket for lifecycle management.
• Consultant (via Metasis)
- Huawei
Software Engineering Intern 12/2022 – 03/2023
• Developed microservice projects utilizing Spring Boot, MongoDB, PostgreSQL, Kafka, and Rancher.
- IKnow Technology
Software Engineering Intern 06/2022 – 07/2022
• Built a distributed microservice application demonstrating Service Discovery and API Gateway patterns using Spring Cloud Gateway, Feign Client, and Eureka Server.
- Bulut MD Software
Software Engineering Intern 06/2020 – 03/2021
• Contributed to full-stack projects (e-commerce, spare parts), using Java Spring boot and React.

SOCIETIES

- FOLKSDEV
09/2021 – 12/2023
Contributed by preparing tutorials, publishing articles on Medium, and participating in team-led developer events.

SKILLS

- Languages: Java, JavaScript, Go
- Frameworks: Spring Boot, ReactJS, Hibernate
- Databases: PostgreSQL, MongoDB, Redis
- Message Brokers: Kafka, RabbitMQ
- Cloud & DevOps: Linux, Docker, OpenShift, AWS
- Storage & Network: S3 Object Storage, Nginx, Traefik
- Testing: JUnit, WireMock, Postman/Newman
- Protocols: REST, WebSockets, MQTT, WebRTC
- Others: Git, Jira, Fortify, SonarQube, Grafana, Copilot, Claude Code, Arduino, ESP32

PROJECTS

- AI-Based Assembly Error Detection — Deep learning system for detecting assembly errors using mobile devices at Samsung R&D. (Python, YOLOv11, OpenCV, Go, ReactJS)
- REST/SOAP API Mocking Tool — Utility to mock API responses to unblock frontend teams. (Java, Spring Boot)
- WebRTC P2P Video Call — Low-latency video calling implementation. (Spring Boot, ReactJS, WebRTC)
- MQTT Location Tracking — Real-time location tracking system processing data streams. (Android, RabbitMQ, MQTT)
- RealTime Chat App — Scalable chat application using WebSockets. (Node.js, Socket.IO, React)

EDUCATION

- Trakya University
M.Sc. in Computer Science 2023–2026
Thesis: Detection of Manufacturing Defects in Smartphones Using Deep Learning Techniques (Samsung R&D)
- Trakya University
B.Sc. in Computer Engineering 2019–2023
GPA: 3.56 / 4.00 (Ranked 2nd in Class)

LANGUAGES

Turkish (Native) • English (Professional)

INTERESTS

Self-Hosting (HomeLab), Aviation, Electronics