



# SERHAT SOYSAL

JAVA BACK-END SOFTWARE ENGINEER | AI-INTEGRATED SYSTEMS

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## 👤 PROFESSIONAL SUMMARY

Results-oriented Java Back-End Engineer with 5+ years of experience designing and optimizing scalable microservices and high-performance backend systems, handling high transaction volumes (e.g., Telecom Payment Systems). Specialized in Java 11+, Spring Boot, Kafka, Docker, Kubernetes, Redis, and AWS. Proven experience in integrating cutting-edge LLM/AI pipelines into enterprise applications, focusing on performance optimization, distributed systems, and cloud-native architecture.

## 💼 EXPERIENCE

### Zainlee Technologies Co. Ltd., - AI Software Developer

Dubai - UAE | Jan 2025 – Present

- Developed real-time face recognition and multimodal AI applications integrating image, voice, and text processing.
- Designed and implemented MCP Server components, webhook automation flows, and backend APIs.
- Built production-ready AI solutions using OpenAI LLM and TTS technologies.
- Collaborated with cross-functional teams to deliver scalable AI-driven platforms.

**Tech Stack:** Python, Java, OpenAI API, Large Language Models (LLM), Text-to-Speech (TTS), Computer Vision, RESTful APIs, Docker, Kubernetes, React.js, Node.js, Microservices, Git, Linux.

### Ericsson Telecommunications Inc., - Java Full Stack Engineer

Istanbul - Turkiye | Aug 2023 – Oct 2024

- Developed backend automation systems for Turkcell telecom operations, improving system reliability.
- Implemented microservices with Redis caching, RabbitMQ messaging, and containerized using Docker.
- Automated workflows and integrated CI/CD pipelines using Jenkins to increase team productivity.
- Developed frontend UI components using JSF and maintained backend services.

**Tech Stack:** Java 8, Spring Framework (Core, Security, Data), Hibernate, JPA, MySQL, Redis, RabbitMQ, Docker, Jenkins, JSF, REST APIs, Git, Linux.

## **Huawei Technologies Co., – Java Back-End Software Engineer**

Istanbul - Turkiye | Mar 2022 – Aug 2023

- Developed backend modules for large-scale telecom payment systems serving high transaction volume.
- Designed secure transaction flows and optimized API performance through caching and improved service orchestration.
- Enhanced system reliability and reduced integration errors by restructuring REST endpoints and logging pipelines.
- Contributed to backend architecture for interview management and AI-driven evaluation features.

**Tech Stack:** Java 11, Spring Boot, Spring Security, MySQL, Redis, RabbitMQ, Docker, Kubernetes, API Gateway, Microservices, Maven, Git

## **Mepsan Petrol Devices Inc., – Java Full Stack Developer**

Konya - Turkiye | Dec 2020 – Mar 2022

- Built automation systems for fuel station networks integrating IoT hardware with backend services.
- Implemented real-time data communication using MQTT and TCP/IP protocols.
- Improved system throughput and stability by enhancing service communication and optimizing business logic.

**Tech Stack:** Java 8, Spring Framework, MSSQL, WSDL, JSF, MVC, HTML5, CSS3, JavaScript, Git, TCP/IP protocols, MQTT.

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## **EDUCATION**

### **Bachelor's Degree – Management Information Systems**

Necmettin Erbakan University | 2016 – 2020

- Focus Areas: Systems analysis, backend development, database design, automation systems, Java OOP foundations.
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## **CERTIFICATIONS**

- Spring Security Advanced – 2025
- Hibernate and ORM Mastery – 2024
- Spring Boot Mastery – 2024
- Spring Framework Training – 2023
- MySQL Query Optimization – 2021
- Java Backend & Microservices – 2021
- Algorithm and Programming – 2018–2020
- Java & MySQL Masterclass – 2018

## SKILLS

### Programming Languages & Core

- Java, Python, Scala, TypeScript, JavaScript, SQL.
- Formats: YAML, JSON.

### Backend Frameworks & Architecture

- Spring Framework (Spring Boot, Spring Cloud, Spring MVC, Spring Security, Spring Data), JavaServer Faces (JSF).
- Architecture: Microservices Architecture, RESTful Services, API Gateway, MVC Design Pattern, SOAP/WSDL, BPEL.
- ORM: Hibernate, JPA.

### Frontend Technologies

- React, HTML, CSS, Responsive Design, Cross-Browser Compatibility, REST API Integration.

### Cloud, Containerization & DevOps

- Cloud Platforms: Amazon Web Services (AWS) (Lambda, EC2, S3, RDS, CloudWatch).
- Containerization & Orchestration: Docker, Kubernetes (K8s).
- CI/CD & Automation: Jenkins, CI/CD Pipelines, Terraform.
- Version Control: Git (GitHub, GitLab, Bitbucket), Code Review & Collaboration Practices.

### Databases & Data Management

- Relational: PostgreSQL, MySQL, SQL Server.
- NoSQL & Search: MongoDB, Redis, Elasticsearch, Kibana.
- Messaging & Streaming: Apache Kafka, RabbitMQ, WebSockets.
- Data Tools: Flyway (Data Migration & Version Control), SQL & NoSQL Query Optimization, Data Indexing, Data Analytics.

### Machine Learning & AI

- Core Concepts: Machine Learning (ML), Natural Language Processing (NLP), Multimodal AI, Face Recognition.
- Tools & Models: OpenAI GPT (LLM), Hugging Face Transformers, OpenAI TTS.
- Applications: Chatbot Development, Model Training & Evaluation, Data Preprocessing, AI/ML Pipeline Development.

### Testing & Quality Assurance (QA)

- JUnit, Unit Testing, Integration Testing, Test Automation, CI/CD Testing.

## PROJECTS

### AI-Powered Interview Assistant Platform (2024 – Present)

- Developed real-time interview simulation using OpenAI LLMs, speech-to-text pipelines, and WebRTC-based communication.
- Built backend evaluation modules, scoring algorithms, and data processing workflows using Python and Flask.

### Clove Commerce – Cloud-Native E-Commerce Platform (2025 – Present)

- Designed and implemented microservices for core modules including inventory, orders, and user management.
- Developed API Gateway, containerized services, and event-driven communication using Kafka and Docker.