

Maziyar Gerami

SOFTWARE ENGINEER · BACK-END DEVELOPER · JAVA DEVELOPER

Kermanshah, Iran

☎ (+98) 9396919921 | ✉ contact@maziyar-gerami.ir | 🏠 maziyar-gerami.ir | 📱 maziyar-gerami | 🌐 maziyar-gerami

Summary

Java Backend Developer with 7+ years of experience in designing and building scalable, maintainable, and test-driven systems using Java (8–21), Spring Boot, and AWS. Strong advocate of Clean Architecture, Domain-Driven Design, and CI/CD practices. Contributed to both enterprise and open-source projects, including remote collaborations across international teams. Known for persistence, fast learning, and a deep sense of responsibility. Actively mentoring junior developers and continuously striving for growth and excellence.

Skills

Back-end	Java (8–21), Spring Boot, REST APIs, JUnit, Mockito, Hexagonal Architecture, TDD
Programming Languages	Java, Clojure, Kotlin, Python, C++/C
DevOps & Cloud	AWS, Docker, Kubernetes, GitHub Actions, CI/CD, MinIO, PostgreSQL, OpenLDAP
Tools & Practices	Domain-Driven Design (DDD), Event Sourcing, CQRS, Scrum, Kanban, Pair Programming
Soft Skills	Mentorship, Public Speaking, Problem Solving, Rapid Learning, Responsibility
Languages	Persian (Native), English (C1), German (A2)

Work Experience

AVAN Software Technology Advisors (ASTA)

Tehran, Iran (Remote)

JAVA SOFTWARE ENGINEER

Jan 2024 – Present

- Developed and maintained 8+ microservices for the *open-source* Flickit project using *Java 21*, *Spring Boot*, and *hexagonal architecture*.
- Integrated *MinIO* and *PostgreSQL*, enhancing data handling efficiency by 20%.
- Advocated for Clean Code and *TDD* principles across 10000+ lines of production code.
- Built a lightweight *Backend-for-Frontend* (BFF) layer in *Python*.
- Developed 10+ AI-driven prompts using *SpringAI* for automated data assessment.
- Designed and implemented a Grafana-based dashboard to monitor microservice performance, reducing incident detection time by 35%.
- Developed Playwright end-to-end tests for key user flows, increasing regression coverage by 40% and reducing production bugs.
- Configured and customized *Keycloak* and integrated it with *Spring Boot* (OAuth2/OIDC, JWT, role-based access control), implementing centralized authentication, SSO across services, and fine-grained authorization policies to strengthen security.

EPFC Corp.

Calgary, Canada (Remote)

SENIOR JAVA & CLOJURE DEVELOPER

Jul 2022 – Dec 2023

- Built 27 microservices using *Clojure*, *CQRS*, and *TDD*.
- Used *DDD* and Scrum to align development with business domains.
- Implemented *Amazon SQS/SNS* and *event sourcing* to increase scalability.
- Automated CI/CD pipelines to reduce deployment time by 32%.

Radpardaz Razi

Kermanshah, Iran

JAVA DEVELOPER

Jan 2020 – Jun 2022

- Created microservices-based architecture with *Spring Boot*.
- Managed 20K+ users with *SAML*, *CAS*, *OAuth2*, and *LDAP*.
- Automated deployments across 8 servers via *CI/CD*.

SPOT Online Taxi

Kermanshah, Iran

ANDROID DEVELOPER

Sep 2017 – May 2019

- Developed Android app with *Google Maps APIs*, reducing delivery time by 40%.
- Built real-time ride booking, wallet transactions, and session storage via *SQLite*.

Islamic Azad University Incubator

Kermanshah, Iran

ANDROID DEVELOPER

Sep 2015 – Jul 2017

- Built apps for two startups (*Chili* and *My University*) using *Java*.
- Implemented *JWT*-based secure auth and two-level caching (*SharedPreferences* + *SQLite*).

Education

Islamic Azad University, Science and Research Branch

MSC IN COMPUTER SOFTWARE ENGINEERING

Tehran, Iran

Oct 2015 – Sep 2017

- Grade: 18.9
- Thesis: Proposed a new scheduling method for IoT's Big Data in cloud environments
- Focused on Big Data, Cloud Computing, Image Processing, and Data Mining
- Skills: Databases, Algorithms, Data Mining, Big Data, Image Processing, RESTful WebServices, MySQL, Cloud Computing, Public Speaking

Shamsipour Technical and Vocational College

BSC IN COMPUTER SOFTWARE ENGINEERING

Tehran, Iran

Oct 2011 – Nov 2013

- Grade: 14.8
- Thesis: Designed and implemented a routing system for urban public transportation using Java EE
- Skills: Databases, Algorithms, MySQL, Public Speaking

University of Kurdistan, Sanandaj

ASSOCIATE DEGREE IN COMPUTER SOFTWARE ENGINEERING

Sanandaj, Iran

Sep 2008 – Nov 2010

- Grade: 13.8
- Project: Developed a Paint-like drawing application using Java Swing
- Skills: Software Engineering, Java, Swing

Publications

An Energy-Aware Scheduling of Dynamic Workflows Using Big Data Similarity Statistical Analysis in Cloud Computing

2022

THE JOURNAL OF SUPERCOMPUTING, VOL. 78(3), PP. 4261–4289 Cited by 17

- Proposed an energy-efficient workflow scheduling approach using similarity-based big data analysis in cloud environments.

A Novel Association Rule Mining Using Genetic Algorithm

2016

8TH INTERNATIONAL CONFERENCE ON INFORMATION AND KNOWLEDGE TECHNOLOGY (IKT) Cited by 13

- Introduced a genetic algorithm-based approach for discovering association rules to enhance data mining efficiency.

A New Algorithm for Hand Gesture Recognition in Color Videos for Operating System Commands

2022

INTERNATIONAL CONFERENCE ON MACHINE VISION AND IMAGE PROCESSING (MVIP)

- Developed a real-time gesture recognition system for controlling operating systems using color video analysis.

Introducing a Dynamic Scheduling Algorithm in a DVFS-Enabled Cloud Environment to Reduce Energy Consumption

2022

AVAILABLE AT SSRN: 4055019

- Proposed a dynamic voltage and frequency scaling (DVFS) scheduling algorithm for cloud-based energy optimization.

Certificates

June 2025 **Java Streams Essentials**, Amigoscode

April 2025 **Introduction to Selenium**, Coursera

November 2024 **Learning Java Collections**, LinkedIn

September 2024 **Introduction to Artificial Intelligence**, LinkedIn

September 2024 **Introduction to Spring AI**, LinkedIn

September 2024 **Java: Lambdas and Streams**, LinkedIn

September 2024 **Learning Java 17**, LinkedIn

September 2024 **Learning Kubernetes**, LinkedIn

September 2024 **Learning Spring with Spring Boot**, LinkedIn

September 2024 **Spring: Framework in Depth**, LinkedIn