

SUMMARY

Software Engineer with 8+ years of expertise in Java, Spring, SQL/NoSQL, focused on developing scalable microservices, implementing DevOps, and utilizing cloud technologies. Demonstrated capability in both contributing and leading cross-functional teams on 15+ projects.

EXPERIENCE

Research Developer

ISU - Terre Haute, IN, USA08/2022 - 05/2024

> Java, Spring, Neo4j, AWS, PostgreSQL, Google-OR, Python, NetworkX, PyTorch, Optuna

- Led the integration of Wikidata and Wikipedia, creating a dataset for graph summarization.
- Advanced an RGCN-based summarization in Knowledge Graphs, improving accuracy by 5%.
- Developed a Mixed Integer solver for the optimal vertex ordering in bipartite graphs.

Senior Software Engineer

Intellias - Chicago, IL, USA (Remote)10/2021 - 07/2022

> Kotlin, Java, Spring, Spring Cloud, PACT, MongoDB, Kafka, Kubernetes, Jenkins

- Developed a reactive microservices-based for an ePOS application.
- Achieved \$10,000 in annual savings by implementing an open-source reporting solution.
- Orchestrated a team of 8 in a scrum-based environment, collaborating with over 70 developers.
- Investigated, debugged, and resolved critical reported bugs as a member of the defect team.

Senior Software Engineer

Routetitan - Rotterdam (Remote)03/2020 - 10/2021

> Java, Spring, Quarkus, JPA, PostgreSQL, MongoDB, AWS, GCP, Gitlab CI

- Spearheaded the back-end development application, solving up to 5000 routing problems daily.
- Overhauled deployment architecture, cutting costs and streamlining cloud integration.
- Led the strategic shift to a PaaS model, boosting company growth through market alignment.

Note: I continued working with this company till 06/2022 as a part-time consultant.

Senior Software Engineer

Farazpardazan - Tehran11/2016 - 01/2020

> Java, Spring, Spring Cloud, Microservices, JPA, Postgres, RabbitMQ

- Delivered a Payment Assistant application with over 12M users and 2M daily transactions.
- Boosted SQL queries' performance by 90%, enhancing system responsiveness.
- Directed a Personal Financial Management application with 500K active users as Product Owner.

Java Back-end Developer

PartGames Studio - Tehran01/2015 - 11/2016

> Java, Spring, Hibernate, MySQL, Vaadin, Redis

- Crafted a high-performance back-end service for an online game with 230K players.
- Launched a scalable leaderboard service, handling high traffic from 7 external clients.

Skills

Programming Languages:	Java, Python, bash
Programming Essentials:	OOP, Algorithms, Data Structures, Troubleshooting, Debugging
Frameworks:	SpringBoot, Spring Cloud, Hibernate, JPA
Testing:	JUnit, Mockito, Unit Testing, Integration Testing, TestContainers
Cloud Technologies:	Amazon Web Services (AWS), Google Cloud Platform (GCP)
Messaging Technologies:	Apache Kafka, RabbitMQ, REST (Restful), SOAP
Databases:	SQL, PostgreSQL, MongoDB, Neo4j
DevOps and Containers:	Docker, Kubernetes, Jenkins, Gitlab CI/CD
Tools:	JDK, Maven, Gradle, Git (Git-Flow), Jira
Development Methodologies:	Agile (Scrum), Kanban

Portfolio

<https://sorkhpar.dev>

EDUCATION

- Master of Science in CS
Indiana State University
- Bachelor of Engineering in IT
University of Mazandaran