

**Mo Sorkhpar**  
**Senior Software Engineer**

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Seasoned Software Engineer with 8+ years of expertise in Java, Spring, SQL/NoSQL, focused on developing scalable microservices, implementing DevOps, and utilizing cloud technologies for enhanced performance and efficiency.

## Work Experience

**Senior Software Engineer, Intellias** - Chicago, IL (Remote) November 2021 - July 2022

> Kotlin, Java, Spring, Spring Cloud, JUnit, PACT, MongoDB, Apache Kafka, Jenkins, Kubernetes, Jasper Report

- Developed a reactive microservices-based sales platform Application.
- Achieved \$10,000 in annual savings by implementing a cost-effective contract service solution with an open-source tool.
- Orchestrated a team of 8 in a scrum-based environment, collaborating with over 70 developers.

**Senior Software Engineer, Routetitan** - Rotterdam (Remote) April 2021 - October 2021

> Java, Quarkus, JUnit, Mockito, Testcontainers, JPA, PostgreSQL, MongoDB, AWS, GCP, Gitlab CI

- Spearheaded the back-end development application, solving up to 5000 vehicle routing problems daily.
- Overhauled deployment architecture, cutting costs and streamlining cloud integration.
- Persuaded the team to adopt a strategic pivot to a Product-as-a-Service (PaaS) model, fostering the company's growth by optimizing resource allocation and aligning business processes with market demands.

**Software Developer, Devolon** - Yerevan February 2020 - February 2021

> Java, Spring, Spock, JUnit, JPA, Postgres, Laravel, jPOS(ISO-8583)

- Engineered a children's financial management application, focusing on API services and back-office management.
- Collaborated within a diverse, scrum-based international team, focusing on API services and back-office management.

**Senior Software Engineer, Farazpardazan** - Tehran December 2016 - January 2020

> Java, Spring, Spring Cloud, JUnit, Mockito, Testcontainers, JPA, Postgres, RabbitMQ, Grafana, Prometheus

- Delivered a Payment Assistant application, overseeing its growth to over 12M users and managing 2M daily transactions.
- Boosted SQL performance by 90%, enhancing system responsiveness.
- Directed the development of a Personal Financial Management application with 500K active users as Product Owner.

**Java Back-end Developer, PartGames Studio** - Tehran January 2015 - November 2016

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

- Crafted a high-performance back-end service for an online game with 230K players, featuring real-time interactions.
- Launched a scalable leaderboard service, handling high traffic and expanding the studio's tech offerings.

## Education

**Master of Science in Computer Science**, Indiana State University August 2022 - May 2024

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

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

**Bachelor of Engineering in IT**, University of Mazandaran September 2013 - Jun 2017

## Skills

Object-oriented (OOP), Design Patterns, Algorithms, Data Structures, Java, Python, SpringBoot, Spring Cloud, JUnit, Mockito, TestContainers, Hibernate, JPA, SQL, AWS, GCP, Scrum, REST, SOAP, Docker, Maven, Git, Jira