Mohammad Sadegh Maghareh

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EXECUTIVE SUMMARY

A Software Engineer with a 3+ years of experience in designing, developing, and maintaining robust and scalable applications. Eager to cooperate as a team member to learn new things together for continued growth and innovation. Adaptable to new technologies with an enthusiastic and can-do attitude, and passionate about challenges with a problem-solving mind.

PROFESSIONAL SKILLS AND INTERESTS

- Programming**: Java, Python, Solidity**
- Frameworks: **Spring boot, Spring data, Spring AOP, Spring Security**
- Testing: **TDD, BDD, Junit, Mockito, Mock Server, API Testing, Jmeter, Selenium**
- Architecture & principals**: Microservices Architecture, OOP Design Patterns, SOLID, CAP, ACID**

- Database and Message Broker: **Postgres DB, Hibernate, Redis, Flyway, Kafka**
- Security: **Oauth2, Keycloak**
- DevOps & CICD: **Docker, GitOps**
- Monitoring: **ELK, Prometheus, Sentry, Grafana**

FUNCTIONAL EXPERTISE DEMONSTRATED

IPICB   2023 – Present
Software Engineer

SAKHT (Oil industry development service delivery system) *The SAKHT system is a multi-purpose platform that provides resource listings (including products and organizations such as manufacturers and suppliers) for the Ministry of Oil's central agency. It facilitates supplier qualification assessment (AVL), demand and supply management, as well as loan allocation.*

- Designing, implementing, and maintaining 5 microservices, including account management, product management, organization management, category management, and third-party gateway.
- Software engineering for the SAKHT Project.
- Designed and developed a RESTful for the SAKHT Project.
- Writing software documentation for the SAKHT Project.
- Writing tests and developing a test strategy using JUnit.
- Creating a deployment stage using Docker and Docker Compose.
- Handling deployment in 4 environments: development, staging, testing, and production for the backend, and testing and production for the frontend using Nginx.

Project highlights:

API, PostgreSQL, JWT, API handler, user management, gateway, payment gateway (Zarin, Sep), wallet, advanced search scenarios (specification and criteria), socket, job management, Docker, MinIO, Sentry, SMS panel, Gitlab, ELK monitoring, Jira, Redmine.

Tose'e Fannavaran Algorithm - Keywa App   2022 – 2023

Software Developer

Keywa offers secure shared wallets using key distribution algorithm to let the companies sign their transaction in different financial levels and send it on the blockchain.

• Developed RESTful balance synchronising service using Spring Boot, while applying BDD with Python Behave.
• Improved synchronisation of customer wallet balances with the blockchain network in under 5 seconds by implementing distributed workers and RabbitMQ.

Arnika_AI (Pluto, Spout, Data-engine, TSE)   2021 – 2022

Spout & Pluto is an automated market-making platform in stock-market,
Data-engine tries to Integration and versioning of data and web services of the Arnika_AI,
TSE Crawling Trades Data of TSETMC.ir

• Software Engineering AI-based Market-Making Software.
• Back-End Developer (Django, Flask, ...)
• Data Engineering AI-based Market-Making Software.
Write deploy stage using LXC, gunicorn
Project highlights:
Python (Programming Language) · Flask · Cron Job · PostgreSQL · Kong · Django REST Framework · Data Lakes · Linux · Debian · Lxc · Data Engineering · Data Science · Scrum · Ubuntu · Git ·

EDUCATION ━━━

Master's Degree (Computer Science) Amirkabir University of Technology (Tehran, Iran)   2016 – 2021, Iran
Thesis: Gas Optimization in Smart Contracts Using Program Analysis and Correctness
Bachelor's Degree (Computer Engineering) Shiraz University (Shiraz, Iran)   2021 – 2024, Iran
Project: Smart Door Phone Using Raspberry Pi

OTHER RELEVANT INFORMATION ━━━━━━━━━━━━━━━━━━━━━━━━━━━

Languages: English (Fluent), Persian (Native)