

# Sina Mehrabi

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## Summary

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A Software Engineer with 5 years of experience in designing, enhancing, and maintaining Python web applications. Proficient in Python web frameworks, databases, and microservices architecture, staying up-to-date with industry trends is achieved by continuously learning new programming languages and frameworks and collaborating directly with more than 20 people. Delivered 15+ scalable and efficient software solutions tailored to meet project-specific needs and thrive in collaborative team environments. A commitment to excellence ensures exceptional service is provided to clients.

## Work Experience

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**Senior Software Engineer**    Digikala Co.    <https://digikala.com>    Dec 2022 - Present    (6 mos)

Digikala is one of the largest e-commerce companies in Iran, offering a wide range of products including electronics, home appliances, clothing, and beauty products.

- Improved backend system with interaction with OpenStack in Digicloud team using Python with Nameko framework and Golang in a team with 20 members (Scrum-based).
- Developed Minio fork (g3 service) with Golang to define access policies for objects and buckets.
- Created WAF wrapper feature for edge services with 19 endpoints with all tests and implemented the Shelve Instance feature in the first 3 weeks of onboarding.
- Successfully implemented Load Balancer as a Service (LBaaS), delivering robust TCP and HTTP load balancing solutions to clients.

**Senior Software Engineer**    Sheypoor Co.    <https://sheypoor.com>    Aug 2021 - Nov 2022    (16 mos)

Sheypoor is an online classifieds marketplace for Iran with over 20 million users where anyone can buy, sell and search for goods and services quickly, easily and free of charge.

- Authored an image service named Timager with FastAPI and Pyvips that improved production server response time by 30%.
- Implemented Timager as a new microservice and replaced with a part of Sheypoor monolithic application that reduced downtime for Sheypoor monolithic application to almost 0% in cache removal.
- Rewritten e-commerce microservice with Django for Secure-Purchase in specific categories in Sheypoor with celery and celery beat for scheduling some tasks in backend in a team with 5 members (Scrum-based).

**Software Engineer**    Ostadkar Co.    <https://ostadkar.ir>    Oct 2020 - Aug 2021    (10 mos)

Ostadkar is an online marketplace for services; a place to find reputable professionals for high-quality services.

- Developed and designed 8 microservices and evolved the software and applications using the latest software development infrastructure and methods.
- Designed RESTful APIs with Python (Flask) to receive data from mobile apps and websites with an internal framework ([rest-catalyst](#)).
- Innovated Swagger-Merger python package for merging swagger files of microservices. This package collects all swagger files and converts all files to 1 main file.
- Replaced old API gateway with APIMAN and coded for communicating with APIMAN and authorization plugin. Response time increased by almost 20% for rest APIs.
- Implemented automated testing platforms and wrote at least 10 test scenarios using Aloe and Gherkin syntax.

**Backend Developer**    Padide Merila Co.    <https://azpezeshk.ir>    Apr 2018 - Sep 2020    (2 yrs 6 mos)

Padideh Merila is a software development company that works on different topics including IoT and artificial intelligence.

- Developed a smart-parking application (IOT) named Manopark with Django framework in a team with 5 members. This application can detect at least 20 parking lots per camera.
- Coded a medical application (Azpezeshk) with the FastAPI framework (6 microservices) in a team with 4 members.

## Skills & tools

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Python, Golang, Flask, FastAPI, Django, Nameko, SQLAlchemy, Pytest, AWS Lambda, AWS RDS, SQL, NoSQL, Postgresql, MongoDB, MySQL, TDD, OOP, Service-Oriented Architecture, Microservices, Redis, Rabbitmq, Celery, DRF, Django Channels, Linux, Debian, Grafana, Graylog, Git, Nginx, Docker, Kubernetes, APIMAN, Krakend API Gateway, Async Programming, asyncio, Pandas, Numpy, Fluentd, Elasticsearch, Pyvips, Minio, New Relic, Gitlab, CI/CD

## Education

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**M.S Degree**    IUST (Elmo Sanaat)    Sep 2015 - Feb 2018

Master of Science in Digital Electronics, Majoring in Artificial Intelligence, Iran University of Science and Technology, School of Electrical Engineering.

**Thesis:** Detecting Type of Protein Binding based on Fuzzy Cognitive Maps and Prediction of Protein Assemblies Resolution based on Support Vector Regression