

# AMIR H. MEGHDADIAN

## Software Engineer

Detail-driven Software Engineer with 4 years of experience, specializing in backend development, performance optimization, and scalable solutions using Golang, Python, and Kubernetes.

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 [Stackoverflow](#)

 [Github](#)

 [amirhussain-meghdadian](#)

## SKILLS

- **Programming:** Golang, Python, Javascript
- **Cloud:** Docker, Kubernetes
- **Other:** RabbitMQ, NATS, Kafka, CI/CD, MySQL, PostgreSQL, Redis, MongoDB, git, Microservices, Prometheus, Helm

## WORK EXPERIENCE

### [Snapp](#)

September 2023 -  
Present

#### Software Engineer(Backend)

Ride-hailing market leader in Iran; Worked on services responsible for ride offer delivery to drivers

- Engineered a Redis cluster and comprehensive monitoring solutions, deploying a Golang application to simulate year-end traffic surge; deployed on Kubernetes via GitLab pipelines, validating service endurance for 35,000+ requests per second.
- Diagnosed and fixed a severe memory leak within main service, roughly slashing memory consumption from 800 MB to 200 MB, significantly enhancing application stability and efficiency by 75%.
- Optimized the application's critical execution path by reducing CPU and memory usage by 30% through detailed profiling with the native Golang pprof toolkit.

### [Digikala](#)

September 2022 -  
September 2023

#### Software Engineer(Backend)

Leading e-commerce platform in Iran; Worked in Cloud department to develop IaaS services

- Developed a Python microservice with DDD and SOLID, streamlining pricing processes, which significantly slashed the business team's workload by 40%.
- Crafted a Python microservice designed to deliver Layer-4 and Layer-7 load-balancing services(LBaaS) to enhance network performance and reliability.
- Coordinated and led several knowledge-exchange workshops to encourage collaborative learning and skill development among team members.

## [Tapsell](#)

January 2021 -  
August 2022

### Software Engineer(Backend)

Ad Network agency; Worked on digital communication channels like Push Notification to facilitate B2C interactions

- Enhanced and expedited the performance of previously inefficient SQL queries, achieving a speed increase of up to 200% in some cases.
- Refactored the application's memory-intensive component using Python generators, significantly reducing memory load. This optimization led to the elimination of frequent crashes and increased system uptime by 3%.

### Namademan

September 2020 -  
January 2021

### Frontend Developer

Startup in financial sector

- Engineered and implemented a real-time stock market web application using the React framework, increasing user engagement by 40% within the first month of launch.

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## PROJECTS

Intel Brain

### AI-Powered Facial Recognition Platform: Real-Time Face Detection with Machine Learning

- Engineered a facial recognition service by integrating React, NodeJS, and the Clarifai.ai API, achieving the capability to accurately detect an indefinite number of human faces within images

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## EDUCATION

University of Azad  
Tehran, Iran  
2013 - 2017

### B.Sc. in Information Technology