

AMIR MEGHDADIAN

Software Engineer

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amirhussain.me

amirhussain-meghdadian

Github

Stackoverflow

SKILLS

Programming Yrs. of Exp.

- | | |
|--------------|------|
| • Golang | 3.5+ |
| • Python | 4+ |
| • Javascript | 5+ |

Containerization Yrs. of Exp.

- | | |
|------------------|------|
| • Docker | 3.5+ |
| • Docker Compose | 3.5+ |
| • Kubernetes | 3.5+ |

Other Yrs. of Exp.

- | | |
|------------------|------|
| • CI/CD | 3+ |
| • Relational DB | 3.5+ |
| • NoSQL DB | 2+ |
| • RabbitMQ | 3+ |
| • Redis | 3+ |
| • NATS | 1+ |
| • Kafka | 2+ |
| • Helm | 1+ |
| • Prometheus | 2.5+ |
| • Open Telemetry | 2.5+ |
| • Git | 5+ |
| • Microservices | 3.5+ |
| • DDD | 2+ |

Detail-driven Software Engineer with 5+ years of experience, specializing in backend development, performance optimization, and scalable solutions using Golang, Python, and Kubernetes.

PROJECTS

Reservationist

Booking Appointments Made Easy

- Developed an online reservation system capable of sending reminders prior to arranged appointments. Tech Stack: [Golang](#), [Redis](#), [Postgresql](#), [Kubernetes](#), [DDD](#)

WORK EXPERIENCE

Snapp

September 2023 - November 2024

Software Engineer(Backend)

Ride-hailing market leader; Responsible to develop and maintain driver-passenger matching services. [Stack: [Go](#), [Redis](#), [NATS](#), [MariaDB](#), [RabbitMQ](#), [Kubernetes](#)]

- Developed Batch Matching algorithm using Graph Theory to assign drivers to passengers.
- 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 by 600 MB, significantly enhancing application stability.
- Optimized the application's critical execution path, reducing memory usage by 30% through detailed profiling using pprof toolkit.

DigiCloud

September 2022 - September 2023

Software Engineer(Backend)

IaaS Provider. [Stack: [Go](#), [Python](#), [Openstack](#), [MySQL](#), [RabbitMQ](#), [Kubernetes](#), [DDD](#)]

- 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.

Tapcell

January 2021 - August 2022

Software Engineer(Backend)

Digital Ad. Network. [Push Notification](#) Integration/Automation for Web and Mobile clients [Stack: [Go](#), [Python](#), [MySQL](#), [Kafka](#), [Redis](#), [Kubernetes](#)]

- 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%.

EDUCATION

B.Eng. in Software Engineering

University of Azad
Tehran, Iran
2013 - 2017

LANGUAGES

English: Full professional proficiency

Persian: Native or bilingual proficiency

Namademan

September 2020 - January 2021

Frontend Developer

Stock Market News Aggregator Platform. [Stack: [React](#), [Redux Toolkit](#)]

- 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.
- Proposed and implemented a text processing algorithm, increasing user post interaction