




# Kamyar Mirzavaziri

Software Engineer


## Summary

6+ years experience in programming, the evolution of skill set ranges from LNMP stack (Linux, Nginx, MySQL, PHP) development to Python, Django, and proficiency in micro-services practices and cutting-edge technologies such as Golang, Docker, Kubernetes, Kafka, CI/CD, and Monitoring (Prometheus, Grafana) across diverse domains like e-commerce, advertisement, and EdTech, managing high-scale demands, handling nearly 26K requests per second.

## Contact

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## Skills

### Backend (Primary)

Linux 6Y · Docker 2Y · Kubernetes 1Y ·  
GitHub Actions 1Y · Gitlab CI 1Y · Nginx  
2Y · Ansible 1Y · MySQL 9Y · Redis 3Y ·  
PostgreSQL 1Y · MongoDB 1Y ·  
RabbitMQ 1Y · Kafka 1Y · Python 6Y ·  
Django 1Y · Go 1Y · PHP 9Y · Symfony 1Y ·  
Prometheus 1Y · Grafana 1Y

### Other Stacks

JavaScript 9Y · HTML 9Y · Jinja 1Y · Twig  
2Y · CSS 9Y · Sass 1Y · Bootstrap 9Y ·  
WordPress 2Y · UI/UX (Figma) 1Y ·  
Flutter <1Y · Dart <1Y

## Education

### Sharif University of Technology

Master's degree, Computer Science

Sep 2022 - Present

### University of Tehran

Bachelor's degree, Computer Science

Sep 2017 - Mar 2022

- Served as Chief Scientific Officer at the Scientific Association of Computer Science for 1 year.
- TA for 4 courses, including Head TA managing 3 other assistants in one course.

## Work Experience



**Software Engineer** at Divar · Jul 2022 - Present (1 yr 7 mos)

[Somehow alternative for eBay in Iran with 60+ million active users.](#)

K8s · Docker · Gitlab CI · Go · Python · Redis · PostgreSQL · MongoDB · RabbitMQ · Kafka · Prometheus · Grafana

- Took a major role in redesigning the Submit micro-service from Python to Go and REST to gRPC, achieved the following.
  - faster development,
  - 99.9% up-time. (up from 99.84%),
  - sub-100 ms response times (upper 99 percentile),
  - average response size < 50 KiB (down from > 1 MiB),
  - a notable reduction in call center load.
- Optimized the Post Stats micro-service,
  - Reduced service requests from 7K to 200 per second by shifting sync calls to async via Kafka. Improved fault tolerance by storing events during system downtime, preventing data loss experienced with sync calls.
  - Freed up 24 CPU cores and 120 GiB of memory, resulting in a remarkable 66% reduction in consumed resources.
- Managed the PostAPI micro-service, efficiently handling 6K+ requests per second during peak times.
- Optimized CI Pipelines in a monorepo, driving a notable reduction in average pipeline duration, significantly elevating overall developer productivity across the organization.



**Software Engineer** at Avistopia · Oct 2021 - Jun 2022 (9 mos)

[An EdTech startup with \\$50K+ annual revenue.](#)

Docker · Nginx · GitHub Actions · PHP · JS · MySQL · Redis · Twig · Sass · Prometheus · Grafana

- Led 3 engineers under Agile framework; together created a product now hosting 2500+ users and offering 70+ courses and workshops.
- Developed a complex registration service with features such as team registration, and installment payment plans, which attracted 400+ users in the initial days.
- Implemented a custom secure web-based media player using JS, to prevent paid course record leakages.
- Led the development of XUA, a PHP ORM facilitating business complexities.



**Software Engineer** at DigiKala · Aug 2020 - Sep 2021 (1 yr 2 mos)

[Alternative for Amazon in Iran with 41+ million active users.](#)

PHP · Symfony · JS · MySQL · Redis · Twig

- Implemented a queue management system for sellers,
  - Integrated an API with third-party ticket-dispensing devices, collaborating closely with an external team.
  - Designed a complex state machine to ensure fair prioritization without compromising user satisfaction.
- Designed a warehouse aisle security tracking system with storage constraints (price, category, size).



**Software Engineer** at Arithland · Aug 2017 - Jul 2020 (3 yrs)

*An Educational Center promoting mathematics using creative methods.*

MySQL · PHP · JavaScript · C# · HTML · CSS · Bootstrap · WordPress

- Automated Arithland competition score tracking with PHP, later redesigned in C# for easy setup.
- Executed full-stack development for a user-friendly participant registration website from scratch, utilizing pure PHP for the back end.
- Customized an online shop with WordPress and WooCommerce, boosting revenue and enhancing user experience.

## Languages

**English**

Can speak fluently

**Farsi**

Native speaker