

# Kamyar Mirzavaziri

## Software Engineer

Location: Dubai, United Arab Emirates

Phone: [+1 \(541\) 321 0338](tel:+15413210338)

Email: [kmirzavaziri@gmail.com](mailto:kmirzavaziri@gmail.com)

Website: [k.mirzavaziri.com](http://k.mirzavaziri.com)

LinkedIn: <https://linkedin.com/in/kmirzavaziri>

Languages: English (Can speak fluently), Persian (Native speaker)

## About Me

- 7+ years experience in software engineering, utilizing 15+ tools, provided a valuable insights into aspects of software engineering.
- The portfolio spanning small startup projects to highly-loaded enterprise apps, helps the development of full-stack apps and improvement and scale of existing ones.

## Education

### M.Sc., Computer Science

Sharif University of Technology · 2022 - Present

### B.Sc., Computer Science

University of Tehran · 2017 - 2022

## Work Experience

### [Software Engineer @ Divar](#) · 2022 - Present

The biggest Iranian classified ads platform, with over 60 million active users, alternative for eBay in Iran.

**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.
  - 20% faster development.
  - 99.9% up-time.
  - Sub-100 ms response times (upper 99 percentile).
  - Average response size < 50 KiB (down from > 1 MiB).
  - A notable 10% reduction in call center load.
- Developed an auto-migrator to convert 250+ messy forms to new structured widget forms, estimated to reduce the initial development time by 5 months.
- Optimized the Post Stats micro-service, freeing up 24 CPU cores and 120 GiB of memory, resulting in a remarkable 66% reduction in consumed resources.
- Managed 5+ disaster, once recovered 85% of lost data, by writing a script to aggregate the data from action logs and restore data back to DB.

### [Founder & Software Engineer @ Avistopia](#) · 2021 - 2022

Learn-Compete-Work platform (startup).

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

- Launched a startup with near \$50K revenue in the first year, and growing from then.
- Led 3 engineers under Agile framework; together created a product now hosting 2000+ users and offering 60+ courses and workshops.
- Developed a complex registration service with features such as team registration, and installment payment plans, which attracted over 400 users in the initial days.
- Implemented a custom secure web-based media player using JS, to prevent paid course record leakages, resulting in a 50% reduction in such incidents.
- Led the development of XUA, a PHP ORM facilitating business complexities such as foreign keys and many-to-many relations, accelerated development by approximately 20%.

### [Software Engineer @ DigiKala](#) · 2020 - 2021

The biggest E-commerce in Mena Region with over 41 million active users, alternative for Amazon in Iran.

**PHP Symfony JS MySQL Redis Twig**

- Implemented a queue management system for sellers, boosting satisfaction by an approximately 20%, faced challenges, such as the following.

- Integrated the back-end API with third-party ticket-dispensing kiosks, collaborating closely with an external team.
- Designed a complex state machine with 50+ states to ensure fair prioritization without compromising user satisfaction.
- Designed a warehouse aisle security tracking system with storage constraints (price, category, size), resulting in monthly savings of \$100K.

## Software Engineer @ Arithland · 2017 - 2021

An Educational Center promoting mathematics using creative methods.

- Implemented 4+ applications, turned the old-fashioned competitions into high-tech ones.

## Skills

### DevOps

Linux (Ubuntu) (6Y) Docker (2Y) Kubernetes (1Y) GitHub Actions (1Y) Gitlab CI (1Y) Nginx (2Y) Ansible (1Y)

### Databases & Queues

MySQL (9Y) Redis (3Y) PostgreSQL (1Y) MongoDB (1Y) RabbitMQ (1Y) Kafka (1Y)

### Languages & Frameworks

Python (6Y) Django (1Y) Go (1Y) PHP (9Y) Symfony (1Y) JavaScript (9Y) Coq (1Y)

### Web

HTML (9Y) Jinja (1Y) Twig (2Y) CSS (9Y) Sass (1Y) UIKit (1Y) Bootstrap (9Y)

### Other Tools

Prometheus (1Y) Grafana (1Y)

### Minor Encounters

WordPress (2Y) UI/UX Design (Figma) (1Y) Latex (8Y) Flutter (<1Y) Dart (<1Y) Meta Spark (<1Y)

## Volunteer Experience

### Chief Scientific Officer (CSO) · 2019 - 2020

### Head of Software Squad · 2018 - 2019

Scientific Association of Computer Science, University of Tehran

- Managed 10+ workshops and courses, such as the first Flutter course in Iran with 60+ students.

### Teaching Assistant

Department of Mathematics, CS, and Statistics, University of Tehran

- **Number Theory**
  - by [Amir Ghadermarzi](#)
- **Foundations of Mathematics**
  - by [Mojtaba Mojtahedi](#)
- **Logic**
  - by [Mojtaba Mojtahedi](#)
- **Linear Algebra**
  - by [Siamak Yassemi](#)

## Understandings

- Data Structures & Algorithms
- Formal Languages & Compilers
- Functional Programming ( $\lambda$ -Calculus)
- Object-Oriented Programming
- Model–View–Controller Pattern
- Object–Relational Mapping Technique
- Git
- Network Sockets, TCP, UDP
- HTTP
- REST APIs
- Protobuf
- gRPC