



Kamyar Mirzavaziri

Software Engineer

About Me

With over 7 years of experience in programming, I bring a versatile skill set to software engineering. My expertise spans a broad range of tools, allowing me to contribute valuable insights to the field. Over the past 3 years, I've worked in diverse professional settings, from dynamic startups to established enterprises dealing with high-scale demands, approaching near 26K requests per second. This journey underscores my adaptability to various scales and complexities, highlighting my consistent commitment to employing cutting-edge technologies and best practices to drive impactful results.

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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 (CSO) at the Scientific Association of Computer Science, University of Tehran during the 2019-2020 academic year, and led the Software Squad in the preceding year (2018-2019).
- TA for 4 courses, including Head TA managing 3 other assistants in one course.

Skills

Backend (Primary)

Linux (Ubuntu) (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)

Work Experience



Software Engineer at Divar

Nov 2022 - Present (1 yr 3 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. (it was previously 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.](#)

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

Languages

English

Can speak fluently

Farsi

Native speaker