Kamyar Mirzavaziri
Software Engineer

Summary

With 6 years of programming experience, including 3 years in software engineering for enterprise-level companies in E-commerce, EdTech, and Advertisement domains, I bring a deep proficiency in diverse range of technologies and domains. My journey, starting with the LEMP stack and evolving into microservices with Golang, K8s, and Kafka, has led me to my current role serving as an SRE for a company managing ~26K requests per second. Passionate about cutting-edge tech, I contribute to open source projects and my personal mini-projects in my free time.

Contact

📍 Dubai, United Arab Emirates

📞 +971 56 703 7135

✉️ kmirzavaziri@gmail.com

👤 k.mirzavaziri.com

in linkedin.com/in/kmirzavaziri

Skills

Backend (Primary)

Expert in Go · Python · PHP · SQL

Experienced in Kubernetes · Docker · Linux · CI/CD · Django · Redis

Familiar with Nginx · Kafka · Ansible · MongoDB · RabbitMQ · Prometheus

Other Stacks

Experienced in JS · HTML · CSS

Familiar with WordPress · UI/UX (Figma) · Flutter · Dart

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 by Go/gRPC (from Python/REST), which led to
  - higher developer productivity,
  - 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 architecture by shifting sync calls to async Kafka events, which led to
  - higher fault tolerance, preventing data loss,
  - 200 requests per second (down from 7K), which led to 66% reduction in consumed resources (freed up 24 CPU cores and 120 GiB of memory).
- Reduced the average CI pipeline duration to < 2min (from > 5) in a monorepo by employing cache and following CI pipelines best practices, which led to significantly elevating overall developer productivity across the organization.
- Served as the maintainer of Post View micro-service, with the average load of 6K+ requests per second.

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

- Crafted an LMS by leading 3 engineers under Agile framework; achieving 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, by following clean code principles and OOP design patterns, which attracted 400+ users in the initial days.
- Implemented a custom secure web-based media player by rendering the video frame-by-frame in JS, preventing the leakage chance of premium courses.

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,
  - by integrating an API with third-party ticket-dispensing devices, collaborating closely with an external team,
  - and designing a complex state machine,
  achieving higher user satisfaction.
- Engineered a warehouse security tracking system with a customizable storage constraints panel, resulting in a $20K monthly cost savings.

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 optimized in C# for easy setup, reducing personnel needs and boosting efficiency.
- Automated the competition participant registration by developing a user-friendly website from scratch, achieving efficient organization of a larger number of competitions within a shorter timeframe.
- Customized an online shop by WordPress and WooCommerce, which led to revenue growth and higher user satisfaction.

Languages

English
Can speak fluently

Farsi
Native speaker