

Mohammad Mirsafaei – Software Engineer

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Profile

As a software engineer for more than 5 years of experience I start at 2016 as a freelancer. I have comprehensive knowledge in software and database design and also have experience in working on wide types of projects from e-commerce systems to search engines and automation software. Passion in developing testable, high-quality and scalable software based on best practices and new technologies while keeping it efficient, and ability to search, learning fast, problem solving and creativity are key characteristics of me. I also have management skills and able to work and manage myself under heavy pressure situations. I'm a good team player with communication skills, analytical mindset and passion to help others.

Professional Experience

Software Engineer, Roboeq (e-commerce platform)

September 2021 – Present

- Improving legacy PHP code base.
- Adding ELK stack and RabbitMQ to company's teck stack.
- Reducing response time about 50% in some modules by optimizing SQL queries and code.
- Developing search engine using Laravel, MySQL, Elasticsearch, Nuxt.js, Redis.
- Improving search results and speed (from 870ms to 230ms) and reducing memory usage of search engine by developing custom analyzers and complex Elasticsearch queries.
- Developing crawler for filling the search engine using Scrapy, Python, Celery, Splash.

Backend Developer, Nimo Engine

May 2021 – September 2021

- Designing software and database of company's new product about personal development.
- Developing REST API using Laravel for communicating with mobile application.

Software Engineer & Consultant, Behin Sanaat Arsha

May 2018 – May 2021

- Working as software engineer in the first Video Extensometer in Iran. This high-tech product had many parts from mechanics to electronics, software and image processing. I developed its C# multi-threaded software that was responsible for communicating with hardware and image processing module. I also participated in image processing module. This project was accepted and is being used in Mobarakeh Steel Company (the largest steel maker of Middle East & Northern Africa region).

Software Engineer, Kian Pardaz Naghshe Jahan

July 2019 – August 2020

- Developing laboratory automation system using Django
- Developing Laravel REST API for React.js SPA (Single Page Application) of an online shop builder software.

- Communicating with customer and understanding their needs about software.

Software Consultant, Githome

May 2019 – January 2020

- Improving their WordPress e-commerce site speed by adding CDN (Content Delivery Network) to infrastructure, cleaning the code and compressing assets

Education

B.S., Computer Science

Isfahan University of Technology, May 2017 – November 2021

Projects

Online Monitoring System, Shahid Beheshti University

- Developing an online monitoring system using Laravel responsible for communicating with electrical devices using REST API and analyzing data. It also consists of admin panel for managing and working with stored data. This project was developed for SBU University.

Online Shop, Behin Sanaat Arsha

- Developing a Laravel based online shop with customized procedures of shopping suitable for their needs. Also developing internal modules for managing real-time prices, shipping and data importing.

Technical Skills

- PHP / Python / Golang (Go) / JavaScript / Typescript / C / C++ / C#
- Software Design / Software Architecture / Database Design / REST APIs / GraphQL
- Design Patterns / TDD / Agile / Scrum
- Laravel / NestJS / Node.js / Django / Lumen / Gin / Flask
- Vue.js / Nuxt.js / Tailwind / Bootstrap
- RDBMS (MSSQL Server, MySQL, PostgreSQL) / GORM / Prisma
- Nginx / Elasticsearch / Logstash / Redis / RabbitMQ / MongoDB
- Git / Git Flow / Docker / Linux
- Data Mining / Machine Learning / TensorFlow
- WordPress / C# WinForms / Electron

Honors & Awards

Iranian National Skills Competitions, 3rd Place

- 3rd Place, Bronze Medal - IT Software Solutions for Business (C# Development), 18th Iranian National Skills Competitions (July 2018). This competition is part of World Skills Competitions.