

Education

B.S. in Computer Science

IUST (Iran University of Science and Technology)

📅 Oct 2018-Sep 2023 📍 Tehran, Iran

- CGPA, Up to now, 139 units: 3.5/4
- Working as PAL Mentor

Thesis: Fast Map-Matching using HMM to minimize errors in GPS data by finding the most probable corresponding points

Interests

Software Engineering, Databases, Information Security, Cloud Computing, Distributed Systems

Teaching Experience

- Digital Logic Circuits TA 2022
- [Advanced Programming TA 2021](#)
- Algorithms and Data Structures TA 2021
- Software Engineering Mentor 2020
- [Fundamentals of Programming TA 2020](#)
- Scientific Association of CE Mentor 2020
- Discrete Mathematics TA 2019

Skills

Proficient: Kubernetes, Python, Golang, Csharp, Java, PostgreSQL, Redis, MongoDB, Docker, Git, Linux

Intermediate: C/C++, Envoy, Elasticsearch, Ansible, Argocd, Helm, Prometheus, Grafana, Nginx, RabbitMQ, Kafka, Arduino

Honors

- **Nominated For Iran ACM Contest(2020)**, Third place at Iran University of Science and Technology ACM contest
- **National Entrance Exam for Graduate Schools**, Ranked among the top 0.5% of the candidates.

Certificates

- [Algorithms on Graph UCSanDiego university](#) coursera 2020
- [Object Oriented Programming in Java UCSanDiego university](#) coursera 2020
- [DataStructures UCSanDiego university](#) coursera 2020

Related Courses

- Graph Theory 2022
- Internet Engineering 2022
- Automata theory 2021
- Software Engineering 2021
- Object Oriented Design 2020
- Systems Analysis and Design 2019

Experience

SOFTWARE ENGINEER

SNAPP!

📅 Aug 2022 – Present

📍 Tehran, Iran

- **Infrastructure Maintenance:** Oversaw the maintenance of essential components, including API gateways, databases, and the central logging system. Contributed to enhancing system reliability and efficiency.
- **Streamlined the migration process** from Monshi(Snapp's Proprietary gateway) to Contour (Cloud Native xDS) : enhancing performance and expanding community engagement; optimized the mapping application's architecture to meet evolving demands, resulting in a 120% boost in performance and integration with a wider developer community.
- **Elastic search Data Allocation:** Managed Elastic search to allocate data resources among teams and services without exceeding quotas, using hot-warm-cold phases for effective data sharing.
- **SLI/SLO Metrics Optimization:** I identified and fine-tuned SLI/SLOs for the API gateway, enhancing overall system performance and reliability. I leveraged both application-level metrics and blackbox monitoring services to optimize the processing time of the gateway.

SOFTWARE ENGINEER

PORSLINE

📅 Apr 2020 – Aug 2022

📍 Tallinn, Estonia

- Contributed to designing an asyncio-based microframework for asynchronous notifications and webhook requests, seamlessly integrating with Django and RabbitMQ, featuring standalone functionality and comprehensive test-driven development.
- Utilized Ansible for efficient configuration management and automation.
- Created RESTful APIs in Django with unit testing.
- Optimized code and databases using Silk for improved performance.

BACKEND DEVELOPER

MEDRIC STUDIO

📅 Jan 2020 – Apr 2020

📍 Tehran, Iran

- Developed and maintained an online Android game using Django, incorporating real-time chat functionality through WebSockets and Django Channels.

Research Experience

NEUROBI

📅 Jan 2019 – May 2020

📍 Tehran, Iran

- With a diverse team of 6 individuals, each contributing unique skills, we collaboratively crafted a sophisticated pharmacy assistant software. This innovative solution integrates advanced AI functionalities to proactively analyze and forecast medicine requirements for the upcoming days and months.

Projects

LEGATO

It is a workflow system management in which it is possible to automate some routines. It has about eight services, and because of its architecture, it is easy to add a new service to the framework.

ASPHALT

Asynchronous Python project that enhances the performance and responsiveness of a Django web application by offloading time-consuming tasks to be processed asynchronously in the background.

External Authentication Operator

An external authentication operator, to bolster security. Integrated with Envoy's External Auth mechanism to validate and authorize requests. for more information you can check github.

KNOCK-OFF-REST

A user-friendly REST framework simplifies API development, offering a clean syntax for defining routes and middleware. Built with TypeScript, it ensures straightforward coding and scalability for server-side applications.