

Sajad Rahimi

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I'm a backend engineer and technical leader who loves building robust, scalable systems—and sticking with them through thick and thin. Whether it's leading teams, designing architectures, or getting deep into code, I take pride in seeing things through. I'm deeply committed to the work I take on, with a strong sense of ownership and responsibility that guides everything I build. I believe in standing by my projects through every stage—successes and challenges alike—as the saying goes “*The captain goes down with the ship.*”

EDUCATION

University of Tehran, Tehran, Iran
Doctor of Philosophy(Ph.D.), Computer Science
September 2024 - Now

University of Tehran, Tehran, Iran
Master of Science (M.Sc.), Computer Science
September 2020 - 2023

University of Ottawa, Ottawa, CA
Master of Science (M.Sc.), Computer Science
September 2020 - June 2021

Amirkabir University of Technology, Tehran, Iran
Bachelor of Science (B.Sc.), Computer Science
2015 - 2020

PROFESSIONAL EXPERIENCES

Technical Team Lead at [Ima](#)
Tehran, Iran Oct 2023 - Jun 2025

Contributed to the development of Ima, an innovative and intelligent digital entertainment platform offering a rich and user-friendly experience in streaming. Ima provides free access to a diverse library of high-quality films, series, animations, and exclusive content, with seamless playback across devices, including smart TVs via browsers without requiring an app. Key features of the platform include personalized recommendations, optimized user interface, and a safe and engaging environment for children.

Highlights of my contributions:

- Led the end-to-end development of the Ima digital entertainment platform, writing the majority of the codebase in Python, Java, Rust, and Go, covering backend logic, system integration, and performance-critical services.
- Administered and maintained the Kubernetes cluster, ensuring high availability and zero-downtime releases; built and managed the CI/CD pipeline using GitLab CI and Helm.
- Managed the technical team, including hiring, mentorship, task planning, and performance reviews; oversaw technical budget planning to align development with business goals.
- Achieved response times under 100ms at peak load, maintained less than one hour of downtime over a two-year period, and delivered a system with no critical production bugs.
- Played a key role in making Ima a technically successful and reliable product, known for its performance, scalability, and seamless user experience.

Senior Software Engineer at [Toman](#)
Tehran, Iran Dec 2022 - Nov 2023
Toman is a fintech company, concentrating on providing new generation payment methods. Toman is known for its QR code payments for Taxi trips. Toman also provides

other services such as Escrow Account, Real-time Settlements, Smart IPG, and Direct Debit.

My key contributions:

- Led a team of 5 backend developers in Python
- Collaborate with the product team and give technical and architectural solutions to the business requirements
- Deliver a ready-to-deploy Escrow Account Service with more than 80% test coverage in less than 2 weeks
- Reduce CRM contact by 90%, by giving more robust solutions and automating frequently used flows by CRM operators
- Design and implement an SSO service accross all Toman services using Keycloak

Technical Manager at MCI

Tehran, Iran

Sep 2021 - Mar 2023

- Lead a team of 15 developers in Python, Kotlin, and JS
- Collaborate with Product and Executive teams and reduced communication time between Dev team and Product team by 80%
- Introduced a Red, Blue Team exercise, which resulted in detecting and fixing more than 40 security vulnerabilities in the Legacy code
- Achieved 70% less Bug reports
- Trained and Mentored 6 Interns and Junior Developers to reach higher levels of technical skills

Lead Backend Developer and ML Scientist at Boomino

Tehran, Iran

Apr 2020 - Sep 2021

Boomino is a Parental Control project that helps parents manage their children's apps, devices, and accounts. BoominoVOD as a subproject of Boomino, is a video streaming service for children that uses ML to suggest appropriate content to users based on several parameters like their interest, age, etc.

Main Responsibilities:

- Lead a team of 8 developers in Python, Kotlin, GoLang, and JS
- Overseeing the total quality of team's technical work which decreased QA bug reports by 60%, and user Bug reports by 70%
- Design the technical stack of project to match the product needs and team ability
- Design a Recommender System model for video suggestion, with more than 93% Predictive Accuracy

ML Consultant at RoboEpics

Tehran, Iran

Oct 2020 - Sep 2021

RoboEpics is a platform for hosting AI contests. It provides the hardware and software infrastructure for developing, training, running, and testing Machine Learning Models.

As the ML Consultant my main responsibilities were:

- Counseled and Instructed a Dev team of 6 and helped them to implement 4 ML models
- Help the DevOps team to perform MLOps and reduce the time spent on model deployment by 40%
- Design an Ensemble Learning model to work with user-submitted models, which resulted in higher accuracy in more than 98% of cases
- Design a Model-evaluation method for ranking User-submitted models

Lead Backend Developer at Hamrah Academy

Tehran, Iran

Oct 2020 - Apr 2021

Hamrah Academy is an online school that uses text and video medium to deliver courses. It has an evaluation and assessment system, a resume builder, and an online quiz system that content providers can use to evaluate participant and issue them Certificates online. As the Lead Backend Developer, my main responsibilities were:

- Design and implement a micro-service of 12 services that served more than 3000

concurrent user without problem

- Participated in Product meetings and managed the communication with Product Managers to translate product needs to technical tasks and decreased communication time between developers and the product team by 60%
- Designed and Deployed a VOD and live-streaming service, which streamed to 2000 live viewers without problem
- Coded and Deployed a Live chat that hosted more than 2000 users and more than 10,000 requests per second
- Designed a CDN service using MinIO, SeaWeedFS, Nginx, and FastAPI to reduce Media load time by 60% and reduce total resource use on the main servers by 70% in Media serving requests.
- Improved API response-times by more than 50% by optimizing the code and using a new Cache system

Senior Backend Developer at [Innowin](#)

Tehran, Iran

Dec 2019 - Jan 2021

Innowin is a Social Network for businesses and individuals. It helps companies to get fundings, material, hire employees and etc., and it also helps people to create their professional profile, connect to other people, find projects and jobs and etc. As the Senior Backend developer I was responsible for:

- Design a Recommender System based on user behavior with more than 80% Prediction Accuracy
- Design a Users-to-follow Suggestion system to expand user's network, based on Affiliation, Followings, and Location with more than 60% Prediction Accuracy
- Automated Scaling and Load-balancing using Docker which worked without problem under 200,000 requests per second

Backend Developer and DevOps Engineer at [Innowin](#)

Tehran, Iran

Mar 2019 - Dec 2019

- Write code for more than 500 API's on a Monolithic project
- Maintain and develop a complicated legacy-code
- Coded more than 200 API's for a Social Network project, such as Following users, Subscribing to Pages, Posting content, etc.
- Collaborate with Technical and Product managers to implement API's with higher performance
- Resolved more than 100 existing bugs in the Legacy code and reduced future bug reports by 70%

Python Freelance Developer

Tehran, Iran

Jan 2017 - Jun 2019

Backend Developer at [Vira Science](#)

Tehran, Iran

Dec 2015 - Jun 2017

Open Source Contribiutes

• [Pony ORM](#)

- Answering questions on Stackoverflow
- Validated that Python's [CaseFold](#) is not supported in the ORM and currently trying to add it

• [ArvanCloud](#) VOD SDK

- Developed a Python SDK for calling ArvanCloud's VOD APIs' which consists more than 20 endpoints

**TECHNICAL
SKILLS****Programming Languages**

- **Proficient in:** Python
- **Familiar with:** Lua, Kotlin, Java, JS, GoLang, C, Rust, Ruby

Web frameworks:

- FastAPI
- Django
- Flask
- Spring

Databases and Storages:

- PostgreSQL
- MySQL
- MongoDB
- Redis

Containerization and Orchestration tools:

- Docker
- Kubernetes
- OpenShift

DevOPS tools:

- Gitlab CI/CD
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**RESEARCH
BACKGROUND****Monitoring Edge-Geodetic Sets in Graphs**

Ph.D. Thesis

Supervisor: Prof. Morteza Mohammad Nouri

Geodetic Sets of Directed Graphs

Master's Thesis

Supervisor: Prof. Morteza Mohammad Nouri and Prof. Florent Foucaud

Effective Herbrand's theorem in Continuous Logic

Bachelor's Thesis

Supervisor: Prof. Nazanin Roshandel Tavana

LANGUAGES**Persian:** Native**English:** Fluent

- TOEFL: 101/120