Ali Irani

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EXPERIENCE

OVOU, Vancouver, Canada — *Senior Software Engineer*
September 2022 - PRESENT

- **Designed** and **integrated** a **backoffice** system, **increasing** capacity by **4x**.
- Integrated a **caching** mechanism in **Kubernetes** and **Django**, achieving a **5x** average **decrease** in response times.
- **Researched** and **implemented Google** and **Apple Wallet** with autoupdate capability, leading to **12K** active users **out of 100K**.
- Integrated **end-to-end logging** in **Datadog** (**Nginx**, **Celery**, **Django**, requests, etc.).
- **Enabled CDN** usage of **DigitalOcean Spaces**, **doubling the speed** of image loading.
- **Migrated** the **codebase** from **Django** 2.2 to 3.2.
- Implemented an **audit log** for **historical actions** to aid **backoffice** operations and **debugging**.

Balad, Tehran, Iran — *Senior Software Engineer*
August 2018 - September 2022

- **Decreased** response time of a client response job by **decoupling** two services **from 1 minute to 5 seconds**.
- **Enlarged** the operation team's response rate by **90%** by implementing an automatic operator in **Django** that handles half of the requests.
- Reduced **Elasticsearch's** build index time from **1 hour to 20 minutes** by **refactoring** the document creation process.
- Designed and launched a chat microservice in **Golang** for Balad's ten teams and services.
- **Subtracted** the number of illegal **crawled pages** by **70%** by researching and using the **CDN** rate limit solution.
- Decreased the number of anonymous user reports from **15% to 10%** by **connecting two services** through **Kafka**.
- Increased search system **uptime to 99.9%** by configuring **Gunicorn** and **Nginx** workers correctly.
- **Mentored** over **ten software engineers** to onboard them to the company development stack.
- Accelerated the first step interview process by **phone**

SKILLS

Programming Languages
Python (expert), Golang (newly started), Node.js (prior experience), PHP (prior experience).

Tools
Django, Django Rest Framework, Celery, Redis, PostgreSQL, Git, Rest API, Docker, Docker Compose, Kubernetes, Helm, CI/CD, Nginx, Datadog, Kafka, Zoho CRM.

Methodologies
Agile, Scrum, Kanban, Scrumban.

Design
Microservice, Domain-Driven Design.

Familiar with
Unit Testing, CDN, Elasticsearch, Kibana, gRPC, Sentry, MongoDB, Gunicorn, Apache, ETL.

LANGUAGES

English (professional proficiency), Persian (native).

interviewing more than **40 software engineer** candidates and halved the number of incoming people to the first step.

Balad, Tehran, Iran — *Team Lead*

January 2020 - July 2021

- **Led** a big **scrum team** with **12 members** of different expertise such as developers, designers, researchers, etc.
- Mentored and guided five-team developers ensuring all were trained in product and technical knowledge and capable of performing assigned duties.
- Accelerated the **delivery process** and augmented team outcomes in **close relation to the product manager**.

Tapsi, Tehran, Iran — *Software Engineer*

February 2017 - August 2018

- Improved **test coverage** from **60% to 70%** by writing unit and integration tests.
- Doubled choices of the external call services by implementing a call service interface.

Self-employed, Tehran, Iran — Part-Time *Freelance Developer*

February 2017 - August 2018

- Upgraded a school portal to work with local Iranian services for 200 students.
- Implemented a Telegram bot for running a survey with **more than 10,000 users** contributed.
- Created a web application for a school workshop with more than 50 students involved.

Allame Helli School, Tehran, Iran — *Computer Teacher*

February 2017 - August 2018

- **Taught Python** and Pascal programming to 150 middle school students.
- Recorded **Python programming tutorials** and designed exercises as a member of the scientific committee of the national Ebne Sina Festival for more than 100 students.

EDUCATION

University of Tehran, Iran — *M.Sc. Artificial Intelligence*

October 2018 - September 2021

Thesis: Gender detection based on social media textual content using classification methods.

Amirkabir University of Technology, Iran — *B.Sc. Information Technology*

October 2013 - September 2018