

# Zahra Ashouri

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## SUMMARY

As a software developer with 4 years of experience in backend development, I specialize in designing robust solutions for data-intensive projects, ensuring optimal performance under demanding workloads. This knack for optimizing code helps me to create efficient and scalable applications.

I am committed to continuous learning, and being up-to-date with the latest technologies and best practices in the field. Additionally, I am seeking a challenging role abroad that will allow me to leverage my technical expertise and continue to grow as a software developer.

Competencies: Backend Developer, Software Developer, Software Engineer

## PROFESSIONAL EXPERIENCE

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### [360dialog \(official WhatsApp Business API Provider\)](#)

APRIL 2023 - JULY 2023

Software Engineer

I was a software engineer within the Messaging Platform team.

- Improved message handling efficiency and reduced latency by developing a robust sender-receiver library.
- Enhanced overall functionality and performance of the messaging platform through successful integration of the library with various components.
- Increased collaboration and streamlined development processes by documenting workflows for improved clarity and understanding.
- Reduced the occurrence of critical bugs by 80% by creating comprehensive test suites to ensure system reliability and stability.
- Leveraged Flask, Redis, and Google Cloud Platform to optimize scalability and efficiency, elevating the messaging platform's performance.

Technologies: Flask | Redis | Google Cloud Platform

### [Myket](#)

APRIL 2022 - MARCH 2023

Backend Developer

- Collaborated with a high-performing team of three backend developers to efficiently maintain APIs for a TVOD service with over 600k active users, ensuring seamless and uninterrupted user experience.
- Expanded a crawler service, and successfully reducing human workload by 25%
- Delivering significant network usage improvements by caching techniques from 10x to 15x, resulting in faster response times and enhanced user satisfaction.
- Streamlined data exchange between microservices by implementing efficient message queues, achieving a 3x performance improvement.

Technologies: Django | PostgreSQL | RabbitMQ | Celery

## **Tapsell**      MAY 2021 - APRIL 2022

Software Engineer

- Collaborated with a cross-functional team of 9 data scientists and engineers to maintain a high-demand machine-learning service, handling approximately a million incoming requests per day.
- Redesigned data pipelines, increasing throughput metrics by an impressive 95%.
- Implemented a monitoring mechanism to watch the real-time status of processes. [Refer to my medium](#)

Technologies: Python | MongoDB | Kubernetes | Redis | Prometheus | Grafana

## **Kavan**      OCTOBER 2019 - MAY 2021

Backend Developer

- Developed and deployed a highly effective crawler service that fetched fresh data from external sources, resulting in a 50% increase in data accuracy
- Extended crawl targets from below 100k publishers to a million publishers

Technologies: Python | MySQL | Apache Kafka | Elasticsearch | Redis | Neo4j

## **EDUCATION**

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**Bachelor of Computer Science**      2015 - 2019

Amirkabir University of Technology (Tehran Polytechnic)

## **SKILLS**

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- Hands-on experience in back-end development with Python, utilizing frameworks such as Django, Django REST, Flask, and Tornado.
- Proficient in Git version control, Docker containerization, and CI/CD pipelines.
- Experience with relational databases such as PostgreSQL, as well as NoSQL databases such as MongoDB and Redis
- Skilled in messaging systems such as Apache Kafka and RabbitMQ, and task queues like Celery
- Proficient in monitoring and observability tools such as Prometheus and Grafana
- Familiarity with cloud technologies such as GCP, Kubernetes, and search engines such as ElasticSearch, as well as graph databases like Neo4j.

## **INDIVIDUAL PROJECTS**

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### **CFS (container from scratch)**

- A go-lang script to create customized container space  
[github.com/zahra-ash0uri/container-from-scratch](https://github.com/zahra-ash0uri/container-from-scratch)

### **Twitter Scraper**

- Written in Python to scrape tweets without access token  
[github.com/zahra-ash0uri/twitter-scraper](https://github.com/zahra-ash0uri/twitter-scraper)

## Hackernews

- A news portal written in react.js and node.js to retrieve articles from hackernews API.  
[github.com/zahra-ash0uri/hackernews](https://github.com/zahra-ash0uri/hackernews)

## ADDITIONAL

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### Languages

- Persian (Native Proficiency)
- English (Full Professional Proficiency)