

# ALIREZA TAJIK

## Software Engineer

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Tehran, Iran

## SUMMARY

Software Engineer with over 5 years of programming using Python and Golang and 1 year coaching experience.

## EXPERIENCE

### Software Engineer

at **Sheypoor**

2017-03 - Ongoing

Tehran, Iran

Sheypoor is one of the lead classifieds marketplaces in Iran with over 10M users.

Microservices Development Including:

- Design and launch a lightweight rate limiter with a maximum overhead of 2 millisecond alongside nginx reducing fraud by over %95.
- Rewrite user event collection service providing real time aggregation, using under %90 resources.
- Implement a listing aggregation service with over 200m listings providing services to clients.
- Design and develop a machine learning framework, automating model training procedures and automatically creating APIs.

Test Infrastructure Including:

- Implement UI test automation infrastructure inspired by SauceLabs reducing expenses by %90.
- Dockerized automated test scripts, allowing them to run in parallel reducing test duration by %70.
- Implement smoke test mechanism to validate test environment health saving up to 30 minutes on test pipeline.
- Implement Python libraries for automated tests (Robot Framework) increasing productivity of Test Engineers by over %50.

Coaching Experiences Including:

- Set weekly cross-team meetings, assigning tasks, documentations, reducing communication bottlenecks.
- Weekly knowledge sharing meetings, improving team productivity.
- Include unit tests and code review in workflow, improving code quality and eliminating bugs by over 70%.
- Participate in hiring process and interviews.

## TOOLS/SKILLS

### Programming languages

Python, Golang

### Frameworks

Django, Flask, FastAPI, Gin, FastHTTP, etc...

### Databases

PostgreSQL, Elasticsearch, Redis

### Brokers & Event Streaming

Kafka, RabbitMQ

### Containerization

Docker

### Concurrency & Job Distribution

AsyncIO, Celery

### Project Management &

### Documentation

Jira, Confluence, Miro, Pivotal Tracker

### Version Controllers

Git

### Familiar with

Javascript, MongoDB, Apache Druid, Kong, Airflow, Drone, Minio, etc...

## LANGUAGES

English: Advanced

Persian: Native

## Technical Consultant

at **Planhub**

📅 2020-5 - Ongoing (Part Time)

📍 Tehran, Iran

Planhub is a business consultant firm providing marketing, content and technical solutions for small businesses.

Infrastructure Development Including:

- Setup local Git server, implement CI/CD and improving development speed by %200.
- Migrate services to container based solutions (Docker) improving productivity.

Coach Team Members Including:

- Design Agile workflow based on scrum methodology, increasing productivity.
  - Weekly workshop sessions to improve team productivity and code quality.
  - Lead planning and retrospective meetings assigning tasks and removing bottlenecks.
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## Junior Python Developer

at **Bultan**

📅 2016-2 - 2017-04

📍 Tehran, Iran

Bultan is a news aggregation service that collects and provides news based on user personalization.

Development and maintenance of crawlers:

- Develop over 500 crawlers for all variety of websites using Scrapy.
  - Monitor and maintain crawlers using Django.
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