

Ata Safapour

Software Engineer

+98 914 698 2635 — safapour.ata@gmail.com — ata-safapour — ata-the-legend

Summary — Software Engineer with 2+ years of experience architecting scalable microservices and event-driven systems using Python and FastAPI. Passionate about solving complex technical challenges and delivering high-quality software solutions.

Skills

Languages Python	Monitoring Sentry, Prometheus, Grafana, ELK Stack
Frameworks FastAPI, Django, Flask, Celery, FastStream	Other Tools Ansible, Casdoor, Pi-hole, Mailu, Jitsi,
Databases MongoDB, PostgreSQL, MySQL	RabbitMQ, Kong, Envoy
DevOps Docker, Git, GitLab CI/CD, Proxmox, Tailscale	

Education

University of Tehran <i>Master's in Power Electronics</i>	2021 – 2024
<ul style="list-style-type: none">Ranked 4th in the National Master's Entrance Exam (Power Electronics).Designed control algorithms for grid-connected inverters to minimize DC-link oscillations.	

Professional Experience

Torfehnegar Holding <i>Software Engineer</i>	May 2024 – Present <i>Tehran, Iran</i>
<ul style="list-style-type: none">Architected an event-driven microservices platform leveraging FastAPI and RabbitMQ for decoupled, asynchronous service communication, improving scalability and fault isolation.Led monolith-to-microservices migration via the strangler-fig pattern, improving scalability and deployment flexibility while maintaining zero downtime.Engineered a multi-tenant SaaS platform with strict tenant isolation, scaling to 10+ enterprise clients while maintaining complete data separation.Designed and implemented a modular Meet Microservice supporting Jitsi, Google Meet, and Skyroom integrations via a Factory design pattern, improving modularity, reducing provider-specific coupling, and simplifying access management.Developed Course Management Microservice supporting online, offline, and in-person formats using OOP generic classes, integrating with Notify, Meet, Space, File, and Persona services.Enhanced the IAM microservice built on Casdoor with a sidecar pattern, enabling unified SSO, dynamic role assignment, and secure cross-service authentication.Migrated the database layer from the Motor async driver to the Beanie ODM, improving code maintainability, enforcing schema validation, and enhancing type safety across services.Improved MongoDB query performance by 40% via targeted indexing and aggregation optimization, decreasing API latency under peak load.Built secure multi-data-center network using Tailscale mesh VPN and Pi-hole for DNS-level security and network segmentation.Deployed a full observability stack with Sentry, Prometheus, Grafana, and the ELK Stack to enable real-time monitoring, alerting, and system visibility.Implemented GitLab CI/CD pipelines for automated testing, building, and deployment, accelerating release cycles and improving reliability.	
Freelance <i>Backend Developer</i>	Dec 2023 – May 2024 <i>Remote</i>
<ul style="list-style-type: none">Developed a production-ready E-commerce Platform using Django and Django REST Framework, integrating secure payments and asynchronous order processing via Celery and RabbitMQ.Containerized services with Docker and automated deployments through GitLab CI/CD, reducing manual release time and improving system reliability.	

Projects

LLM-Based Semantic Search System	2024
<ul style="list-style-type: none">Developed a semantic search engine using Retrieval-Augmented Generation (RAG) and transformer models for contextual document retrieval.	
ASR & Translation Tool	2024
<ul style="list-style-type: none">Designed a microservice-based speech-to-text and translation system using FastAPI, RabbitMQ, and Vosk, enabling English audio transcription and real-time Farsi translation through asynchronous messaging.	

Daneshkargroup

2023

Python / Django Coding Bootcamp

- Completed intensive backend training focused on Python, Django, and RESTful API development.