Omar Alfarouk Almohamad

backend software engineer · python / django / fastapi

İzmir, Türkiye
+90 538 502 89 57
faruk95564@gmail.com
omaralfarouk.com
github.com/OMAR9564
linkedin.com/in/omar-alfarouk-almohamad

00 AT A GLANCE

2+ years
professional software development

3 settings
public institutions, a US-based company and client projects

2 products
my own, running in production

01 SUMMARY

Omar is a software engineer building backends with Python, Django, FastAPI and PostgreSQL, with over two years of professional experience. At INOSAS he worked on .NET and PHP projects for public institutions, then part-time on Python/Django and .NET projects at Global Hash Tech, a US-based company. As a freelancer he developed algorithms for MetaTrader 5 and TradingView. He designed his own products, Disclosly and a data analytics platform, and runs them in production with Docker.

02 TECHNICAL SKILLS

Languages	Python · SQL · C# · PHP · JavaScript
Backend	Django · DRF · FastAPI · Celery · ASP.NET Core / .NET 8 · CodeIgniter · REST API · Webhooks · Stripe · CQRS
Data and queues	PostgreSQL · Full-text search · TimescaleDB · Redis · MySQL · MSSQL · Kafka (graduation project)
LLM	OpenAI API · LLM agents · Tool calling · RAG · SSE
Infra and testing	Docker · Docker Compose · Linux (Debian) · Git · Unit tests · Architecture tests · JMeter
Web and mobile	Next.js · React Native (Expo)

03 EXPERIENCE

● Software Developer · Global Hash Tech, Inc.

08.2025 – 07.2026

US-based company · Part-time

- Worked on projects built with Python, Django and Celery
- Wrote unit tests for the Stripe payment module of DroneHub, a CQRS-based REST API in .NET 8 and C#: payment sessions, balance transfers, payouts and failure cases
- Architecture tests that enforce the application's layer boundaries and dependency rules

● Freelance Backend Developer · Client projects

09.2025 – 03.2026

- Developed trading algorithms for MetaTrader 5 and TradingView
- Distributed background jobs to worker processes with Celery and Redis

Django · FastAPI · PostgreSQL · Celery · Redis

Software Developer · INOSAS 03.2024 – 05.2025

Türkiye

- Built applications for public institutions with ASP.NET Core, C#, PostgreSQL and MSSQL: **MTA project tracking and reporting platform**, **KOSGEB DPIS application**
- Developed ProcessMan ERP modules with PHP/CodeIgniter and MySQL, from requirements analysis to production release
- A PWA stock app integrated with Goo Service Manager (ITIL)
- JMeter tests, third-party integrations, code reviews and debugging

04 PRODUCTS AND PROJECTS

Disclosly · research assistant own product

disclosly.com

- A source-citing research assistant that works on company disclosures from KAP and SEC EDGAR
- Every fact and calculation in an answer is presented with a link to the disclosure it comes from
- Turkish and English interface

`Python` `Django` `FastAPI` `PostgreSQL` `LLM agents` `RAG`

Data Analytics Platform own product

Web and mobile

- Data pipelines that regularly collect and validate data from external sources
- An OpenAI-based analysis assistant working with tool calling and RAG
- Production environment with Docker Compose on Debian

`Django` `Celery` `PostgreSQL` `TimescaleDB` `OpenAI API` `Next.js` `Docker`

Real-time network intrusion detection system graduation project

- A data streaming pipeline in which network traffic is captured with Tshark, transmitted through Kafka and processed with PySpark
- Implemented and evaluated Isolation Forest and LSTM models to detect anomalous network traffic

`Python` `Tshark` `Apache Kafka` `PySpark`

05 EDUCATION

B.Sc. in Software Engineering · OSTİM Technical University, Ankara 2024

06 CERTIFICATE

Machine Learning Specialization · DeepLearning.AI and Stanford Online (Coursera) 2026

07 LANGUAGES

Arabic native **Turkish** C2 **English** B2