MUHAMMED MAZEN HAFEZ

Senior Backend Engineer | Full Stack | AI/LLM Specialist

Istanbul, Turkey | Open to Remote, Hybrid, On-site, and Relocation

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Professional Summary

Backend-focused Full Stack Engineer with 5+ years of experience in designing and maintaining high-performance, scalable backend systems and APIs. Deep expertise in Python, Django, FastAPI, PostgreSQL, Docker, and AWS, with additional skills in React, Node.js, and modern DevOps practices. Contributed to AI/LLM-driven platforms and built modular, cloud-native systems with Kubernetes and orchestration layers. Strong communication skills and leadership in collaborative, agile environments.

Core Competencies

- Python, Django, FastAPI
- RESTful API Design, JWT Auth
- PostgreSQL, MySQL, Redis
- AWS (EC2, S3), Docker, Kubernetes
- CI/CD, Git, Jenkins, Nginx
- React, Next.js, Node.js
- AI & LLM Integration
- Microservices Architecture
- Agile Development, TDD (PyTest)
- Semantic Search, WebSockets

Professional Experience

- Senior Software Engineer
- Dataplume – Istanbul, Turkey | 2019–Present

- Developed REST APIs using Django and FastAPI used by 1,000+ daily users.
- Built scalable microservices with Docker, Redis, and PostgreSQL, deployed to AWS.
- Led backend development of AI-driven products like WosoM and Speaker Diarization.
- Architected task orchestration, AI validation pipelines, and integrated Kubernetes.
- Mentored junior engineers, conducted code reviews, and improved test coverage with PyTest.

- Software & Crypto Engineer
- Appertech – Damascus, Syria | 2015–2019

- Developed backend logic in Python and Java for blockchain-related tools.
- Designed and deployed Ethereum smart contracts and optimized transaction flow.
- Maintained a secure, performant API layer for financial applications.

Key Projects

- WosoM v3 (2024–2025): Full Monorepo platform with task orchestration and AI validation using FastAPI, PostgreSQL, Turborepo, Kubernetes.

- Speaker Diarization SDK (2024): Voice segmentation tool built with FastAPI + Whisper, integrated with Hugging Face and Next.js frontend.

- WosoM Sage (2023): FastAPI backend with MySQL and React frontend deployed via Docker on AWS.

- Document Semantic Search (2021–2024): NLP-backed document classifier using FastAPI, Redis, PostgreSQL.

Education

Bachelor's in Software Engineering – Syrian Virtual University | 2016–2022

Diploma in Software Engineering – Damascus University | 2012–2016

Certifications

FastAPI: The Complete Course (Udemy, 2024)

Frontend JS Frameworks: Angular (Coursera, 2019)

Kubernetes - Hands-on (Udemy, 2025)

Languages

Arabic (Native), English (Fluent), Turkish (Intermediate)

References

Muhammad Saleh Saeed Alqurishi – mualqurishi@elm.sa