

WASIM HEJAZI

SENIOR SOFTWARE ENGINEER, BACKEND & AI SYSTEMS

Dubai, UAE • +971 54 565 1215 • e.waseemhijazi@gmail.com • LinkedIn • wasimhejazi.com

SUMMARY

Senior Software Engineer with 10+ years of experience spanning backend architecture, AI agent engineering, and cloud infrastructure, with hands-on input across frontend architecture and product decisions as well. Most recently the technical owner of backend and AI systems for ARYA (arya.com) and Greenbull.club, working directly with the CTO and mentoring a small engineering team.

Focused on building fintech-grade trading infrastructure, from exchange integrations and trading-data pipelines to AI-driven automation, with hands-on expertise across Python, FastAPI, Node.js, PostgreSQL, Redis, AWS, and GCP.

EXPERIENCE

Greenbull Group, Dubai, UAE

Oct 2022 – Oct 2026

Senior Software Engineer, Backend & AI Systems (Backend Lead)

- Served as technical owner of backend and AI platform architecture for ARYA (arya.com) and Greenbull.club (~10,000 users), working directly with the CTO and leading a team of 3 engineers.
- Built custom MT4 (MetaTrader 4) integration scripts to extract and sync users' trade history, transaction data, and account profile information, enabling real-time trading analytics and reporting.
- Architected core trading infrastructure for ARYA Crypto, including integrations with major cryptocurrency exchanges such as Binance and OKX, supporting automated execution of approximately 250,000 real-money trades.
- Built a Saxo Bank integration service to manage users' brokerage accounts, execute trades, and apply automated trading strategies (e.g., High-Low, Green Candle) to their assets.
- Developed and deployed approximately 10 production AI agents (Mastra), including multi-agent systems where a supervisor agent routes tasks to sub-agents, workflows, and tools; implemented RAG with embeddings and pgvector, and built internal MCP servers connecting agents to core business systems.
- Led the full backend lifecycle: architecture, technical planning, implementation, code review, CI/CD, deployment, and production delivery.
- Owned cloud architecture and production infrastructure across AWS, GCP, Railway, and Firebase, including reducing infrastructure costs by approximately 92% ($2,500 to $200/month) through architectural optimization, plus deployment, CI/CD, scaling, and monitoring.
- Designed and implemented Smart Allocation, enabling users to define portfolio weights and automate portfolio rebalancing according to their chosen allocation strategy.
- Mentored engineers through code review and architectural guidance, and translated product requirements into technical solutions and production-ready implementations.
- Stack: Python, FastAPI, Node.js, React, PostgreSQL, Redis, RabbitMQ, AWS, GCP, Railway, Firebase.

The Jungle Project Management, Dubai, UAE

Aug 2020 – Aug 2022

Full Stack Developer

- Built features for Wabel and Needl, a B2B matchmaking platform that connects FMCG suppliers with 4,000+ retail buyers through 100+ international summits.
- Designed and built new features from client requirements across backend and frontend, with a focus on clean, reusable code and user-friendly flows.
- Stack: PHP, Node.js, React, Angular, GraphQL, Redis, RabbitMQ, Docker, Kubernetes, Algolia, Zoho.

Housecall (Freelance), Dubai, UAE

Mar 2020 – Jun 2020

Backend Developer

- Built the backend, REST APIs and admin control panel for Housecall, a platform for booking doctor home visits by care type, serving separate patient and doctor apps.

- Stack: Laravel, Google Cloud, queues, Bootstrap, unit tests, Swagger.

Codex, Damascus, Syria *Feb 2019 – Jan 2020*
Full Stack Developer / AI Consultant

- Architected and built Vooliom, an on-demand video streaming platform for films and series, using Wowza Streaming Engine for video delivery.
- Led a team of AI developers building a face recognition system for Arab celebrities.
- Built Rododk, a Facebook pages management platform on the Facebook Graph API.
- Stack: PHP, Laravel, Angular, Python, Flask, Node.js, MongoDB, Redis, Docker, Kubernetes.

Alresalah Tech, Damascus, Syria *Jan 2018 – Jan 2019*
Full Stack Web & Mobile Developer

- Built custom PrestaShop modules for Sewar.co, an online shopping website, plus a REST API inside PrestaShop to connect it to the Sewar mobile app.
- Built the Sewar.co shopping app with Ionic 3.
- Stack: PHP, Laravel, CodeIgniter, PrestaShop, Ionic, WordPress, REST APIs.

Tradinos UG, Damascus, Syria *Aug 2017 – Oct 2017*
Full Stack Web Developer (Internship)

- Revamped the CRM for the BeeOrder delivery app.
- Worked with a team on an AI chatbot using NLP and a knowledge base system.
- Built phase one of an Android app in Java, plus Laravel and CodeIgniter features.

TMS Arabia, Damascus, Syria *Jun 2016 – Jul 2017*
Web Developer

- Built new features and custom plugins (backend and frontend) for Al Iqtisadi and HBR Arabic, the Arabic edition of Harvard Business Review, including PayPal payment integration.
- Stack: WordPress, PHP, Bootstrap.

SKILLS

Backend: Python, FastAPI, Flask, Celery, Node.js, JavaScript, Java, SQL, PHP/Laravel/CodeIgniter, PostgreSQL, Redis, MongoDB, Elasticsearch, Neo4j, RabbitMQ, Algolia, REST, GraphQL

Fintech & trading: MT4/MetaTrader, Saxo Bank, Binance, OKX, CCXT, automated execution and strategies, real-time trading analytics, financial data pipelines

AI: AI agents, agentic AI, Mastra, MCP (Model Context Protocol), AI tool integration, RAG, embeddings, pgvector, LangChain/LangGraph, NLP, machine learning, computer vision

Cloud & DevOps: AWS, GCP, Railway, Firebase, Docker, Kubernetes, CI/CD, GitHub Actions, cloud architecture, infrastructure optimization

Frontend: React, Angular, Ionic

Video streaming: Wowza Streaming Engine, video on demand

Tools: Git, Jira, Claude Code, Facebook Graph API

Architecture: System design, microservices, distributed systems, API design, scalability and performance, security, code review and mentoring

EDUCATION

Damascus University *2013 – 2018*
Bachelor's in Information Technology Engineering, specialising in Artificial Intelligence

CERTIFICATIONS & LANGUAGES

Certification: Prompt Engineering, Coursera (Sep 2023) • View certificate

Languages: Arabic (native) • English (very good)