Hafiz Danial Fahim

Senior Full Stack Developer | Technical Lead
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PROFESSIONAL SUMMARY

Full Stack Developer and Technical Lead with 8+ years of experience architecting and delivering enterprise-grade software systems. Deep expertise in Python (Django, Django REST Framework, FastAPI) and modern frontend development with React and Next.js. Proven track record owning systems end to end, from high-level architecture and database design through CI/CD, deployment, and production support. Experienced leading cross-functional engineering teams across backend, frontend, DevOps, and QA, and integrating AI/LLM and agentic automation into production platforms. Strong background in event-driven architecture, IoT data pipelines, and security-conscious system design.

CORE SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML, CSS, Dart, PHP

Backend: Django, Django REST Framework (DRF), FastAPI, REST APIs, Microservices, Event-Driven Architecture, WebSockets, Celery, Django Channels

Frontend: React, Next.js, Progressive Web Apps (PWA), Tailwind CSS, Bootstrap, Flutter

Databases: PostgreSQL, TimescaleDB, MySQL, MongoDB, Redis

AI & Automation: LLM integration, Agentic AI, AI agents, Ollama, Qwen3, OpenAI APIs, Whisper (speech-to-text), ElevenLabs, n8n workflow automation, prompt engineering

Messaging & Streaming: Apache Kafka, MQTT, RabbitMQ, Celery, TCP/UDP

DevOps & Cloud: Docker, GitLab CI/CD, GitHub Actions, Nginx, Linux, AWS, Azure, Vercel, Certbot/SSL, Cloudflare

Monitoring: Grafana, Prometheus, ELK Stack

Architecture & Practices: Software Architecture, System Design, High-Level and Low-Level Design, API Design, Code Review, Unit Testing, Agile/Scrum, Technical Leadership, Mentoring, Technical Documentation

Security: JWT authentication, OAuth, TLS/SSL, cryptographic verification (Ed25519), data protection and compliance

PROFESSIONAL EXPERIENCE

Full Stack Developer & Technical Lead | MiniMe Creative
Remote (Cyprus) | *July 2023 - Present*

- Own end-to-end technical architecture for three concurrent SaaS products, defining system boundaries, API contracts, data models, and deployment topology from concept through production release.
- Architected EzeHome, a multi-tenant IoT property management SaaS built on Django, PostgreSQL, and TimescaleDB, with a Kafka and MQTT ingestion pipeline handling high-volume real-time device telemetry.
- Lead and mentor a cross-functional engineering team spanning backend, frontend, and DevOps, running code reviews, setting engineering standards, and providing technical direction across parallel project streams.
- Designed and shipped AI agent integrations and n8n automation workflows, including an AI reservation concierge, reducing manual operational effort and improving response times.
- Deployed and integrated self-hosted LLM infrastructure (Qwen3 via Ollama) alongside Whisper speech-to-text and ElevenLabs voice pipelines, embedding AI capability directly into product workflows.
- Architected LuxLava, a cryptographic verification platform using Ed25519 signatures, canonical CBOR encoding, and verifiable temporal binding to produce tamper-evident audit records.
- Built and deployed the LuxLava frontend as three role-based Progressive Web Apps from a single Next.js codebase, cutting duplicate code and simplifying release management.
- Designed and implemented automated CI/CD pipelines using Docker and GitLab, standardising build, test, and deployment across all products.
- Established production infrastructure including Nginx reverse proxy configuration, wildcard SSL via Certbot with DNS-01 validation, and secured MQTT over TLS.
- Translate business requirements from executive stakeholders into technical solution designs, effort estimates, and delivery roadmaps.

Full Stack Developer & Engineering Manager | National Logistics Corporation (NLC Telematics)
Pakistan | November 2022 - July 2023

- Led development and maintenance of nationwide telematics platforms, APIs, and backend services supporting GPS/satellite tracking, video telematics, and IoT fleet applications.
- Supervised a team of backend developers, API engineers, and DevOps engineers, providing technical leadership, task allocation, and project direction.
- Managed DevOps processes end to end, including CI/CD pipelines, server deployments, and cloud infrastructure on AWS and Azure.
- Designed and optimised database and data warehousing layers across PostgreSQL, TimescaleDB, MongoDB, and MySQL for high-volume time-series telemetry.
- Collaborated with hardware and firmware teams to deliver reliable device-to-platform connectivity over TCP/UDP, MQTT, and HTTP.
- Implemented monitoring and alerting with Grafana, Prometheus, and the ELK stack, improving incident detection and system uptime.
- Ensured platform scalability, redundancy, cybersecurity compliance, and adherence to data protection requirements across production environments.
- Coordinated with QA on platform testing and UAT rollouts, and contributed to strategic planning for telematics and IoT service expansion.

Full Stack Developer & Security Operations | National Center for Cyber Security
Pakistan | March 2022 - November 2022

- Developed the Sindh Higher Education Commission Job ERP System, digitising recruitment and job management workflows across the provincial higher education sector.
- Built and launched web applications for universities and examination boards, improving accessibility and user experience for public sector stakeholders.
- Worked alongside third-party SIEM providers on security monitoring, threat detection, and proactive risk mitigation.
- Delivered organisational web presence projects, handling requirements gathering, development, and deployment.

Full Stack Developer | Crop2x
Pakistan | March 2021 - June 2021

- Developed and maintained production agri-tech software, delivering Django backend services and Flutter mobile applications.
- Translated product concepts into structured project plans and technical specifications, supporting predictable delivery.

Software Engineer | Lunakware
Pakistan | January 2019 - February 2021

- Designed and delivered multiple production e-commerce platforms, implementing product catalogue, cart and checkout flows, payment gateway integration, and order management.
- Built a smart restaurant SaaS application supporting digital menus, order processing, and multi-branch management for commercial restaurant clients.
- Owned assigned modules end to end, covering database schema design, backend APIs, frontend implementation, testing, and deployment.
- Worked directly with clients on requirements gathering, scope clarification, and post-launch support across concurrent projects.

Freelance Web & Mobile Developer | Self-Employed
Remote | June 2018 - January 2019

- Delivered e-commerce websites and business web applications for direct clients using WordPress, Shopify, and custom development.
- Built cross-platform mobile applications with Flutter, handling UI implementation, REST API integration, and release.
- Managed the complete client engagement independently, from requirements and quoting through delivery, handover, and ongoing maintenance.

EDUCATION

Bachelor of Computer Science
HEC-recognised university, Pakistan | 2016 - 2021