FAIZAN MUSTAFA

Full Stack AI Engineer
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PROFESSIONAL SUMMARY

Full Stack and AI Engineer with 5+ years of experience building Python/Django and FastAPI backends, RESTful APIs, PostgreSQL data models and React frontends for US-based businesses. I have built rule-based and AI-driven business logic such as assignment and routing rules, explainable cost predictions from historical data, and AI agents that let non-technical teams query business data in plain English, and I turn product ideas into concrete technical designs. Experienced with multi-tenant PostgreSQL (Row-Level Security, PgBouncer), Redis, Docker, Kubernetes, AWS and GCP, and data pipelines processing millions of records. I work independently in remote startup teams, ship fast, iterate on real feedback, and build with AI coding assistants like Claude Code and Cursor.

TECHNICAL SKILLS

Backend & APIs: Python, Django, FastAPI, Node.js, Express.js, NestJS, Go, ASP.NET Core, RESTful APIs, Webhooks, Microservices, Event-Driven Architecture

Frontend: React 19, TypeScript, Next.js, Redux Toolkit, RTK Query, TanStack Query, Tailwind CSS, Vue 3, Nuxt

Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis, Supabase, Firebase Firestore, Qdrant, Relational Data Modeling, SQL, Row-Level Security, PgBouncer

Business Logic & AI: Assignment & Routing Logic, Rule-Based Decision Flows, Predictions from Historical Data, AI Agents, Agentic Workflows, RAG Pipelines, MCP Servers, LangChain, OpenAI API, Claude API, AWS Bedrock, Langfuse

Cloud & DevOps: AWS (Lambda, RDS), GCP, Docker, Kubernetes, KEDA, Terraform, GitHub Actions, Jenkins, CI/CD

Data, Automation & Integrations: Dagster, n8n, Zapier, Domo, Stripe, SendGrid, Chatwoot, Intercom

Domain & Security: CRM Platforms, Case / Job Management, Multi-Tenant SaaS, RBAC, HIPAA, SOC 2, GDPR, Vanta, Auth0, JWT, Zero-Trust

Tools: Git, GitLab, Jest, Postman, Claude Code, Cursor

PROFESSIONAL EXPERIENCE

Senior Full Stack / AI Engineer, Codefinity Solutions — Lahore, PK (On Site) | 10/2024 - Present

DM Injury Law: AI Case Management & Automation | dmlawusa-svc.com

- Developed agentic workflows that automate case management and rule-based, AI-driven attorney assignment, and give explainable case cost predictions from historical data.
- Built a HIPAA-compliant MCP server with a dedicated knowledge base, letting finance and marketing teams query live business data in plain English through AI assistants like Claude.
- Designed multi-level, organization-aware RBAC so each team only sees the data it is allowed to see.
- Built data pipelines with Dagster and connected reporting to Domo for business dashboards.

React 19, Python, FastAPI, Go, PostgreSQL, AWS Bedrock, Lambda, OpenAI, MCP, Terraform, Dagster, Domo

Waltz AI: CRM Platform | waltz-ai.com

- Modernized a legacy CRM end to end by rebuilding the frontend in React and Redux Toolkit and migrating the backend to Django.
- Improved API response times by 40-60% and cut unnecessary re-renders by restructuring state management.
- Integrated OpenAI features into core CRM workflows and resolved critical production bugs.

React 18, TypeScript, Redux Toolkit, Django, Supabase, OpenAI, AWS, Docker

EyeAdvisor AI: Healthcare AI Platform | eyeadvisor.ai

- Removed scaling limits by migrating Supabase Edge Functions to AWS Lambda with CI/CD-driven deployments.
- Reduced clinician note-taking time with AI speech-to-text, and kept the platform audit-ready with HIPAA monitoring and Vanta.

React 19, TypeScript, Express.js, AWS Lambda, Supabase, OpenAI, TanStack Query

System Architect (Client Engagement), — Remote

FEELIX AI FEELIX AI: Multi-Tenant AI Customer Service SaaS | feelixai.com

- Designed the system architecture and wrote the technical blueprint for a multi-tenant AI customer service platform with WhatsApp messaging, setting the patterns and conventions for the build.
- Modeled tenant isolation in PostgreSQL with Row-Level Security and PgBouncer transaction pooling, setting the tenant context per transaction.
- Designed async message processing with Redis Streams, Redis-based message deduplication and queue-depth autoscaling with KEDA.

- Planned a coordinator-plus-specialist AI agent pattern, Qdrant tiered multitenancy for vector search, and per-tenant LLM cost tracking with Langfuse.

PostgreSQL, PgBouncer, Redis Streams, Qdrant, Kubernetes, KEDA, Langfuse, WhatsApp Business API

Full Stack Developer, Stackup Solutions Lahore, PK | 01/2023 - 08/2024

Zappy Health: High-Volume Operations Platform | zappyhealth.com

- Built and maintained a HIPAA-compliant platform handling thousands of patient requests daily, with encrypted data storage, role-based access and audit logging.
- Removed manual follow-up work with scheduled jobs and event-driven SendGrid notifications.
- Kept order and customer data in sync with third-party platforms (Chatwoot, Intercom) through REST APIs and webhooks.
- Turned one-time purchases into subscription revenue by integrating Stripe recurring billing.

Python, Django, PostgreSQL, RDS, React 19, Chatwoot, Intercom, Docker, Terraform

Sybal: Multi-Tenant Compliance SaaS | sybal.io

- Architected a multi-tenant platform for SOC 2, HIPAA and GDPR with secure authentication, automated onboarding, async ML inference, usage-based billing and full audit trails.

Python, FastAPI, PostgreSQL, Redis, Docker, AWS

Junior Full Stack Developer, Septem Systems Lahore, PK | 09/2021 - 11/2022

- PIFRA Agriculture Dashboard (Govt. of Pakistan): Built a revenue analytics dashboard with a file import pipeline processing millions of records (Vue 3, Pinia, Express.js, MySQL, Redis).
- Playground: Built features for a multi-module platform with venue management, a marketplace and real-time chat (Vue 2, Vuex, Express.js, AWS).

EDUCATION

B.S. Computer Science, PUCIT (Punjab University) Lahore, PK | 2019 - 2022