

Muhammad Ahmad Faizan

Software Engineer

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SUMMARY

Software engineer working mainly in Python (FastAPI, Django) and TypeScript (Next.js, React). Since September 2024 I have delivered freelance work for clients in the USA, UAE, France and Pakistan. I like owning a feature end to end, from the database schema to deployment, and I bring in AI only where it solves a real problem.

EDUCATION

BS Software Engineering · National Textile University, Faisalabad 2022 – 2026
Final year project: AI-Based System for Detection of Manipulated Media Content (live at deep-fake.dev)

EXPERIENCE

- Freelance Software Engineer** · Remote, clients in the USA, UAE, France and Pakistan Sep 2024 – Present
- Rebuilt a UAE consultancy's WordPress site in Next.js and TypeScript with 8 languages including Arabic (RTL), an admin panel for articles, and a GitHub Actions job that auto-translates new articles and redeploys on Vercel.
 - Built the Django REST API and PostgreSQL database for a French company's online tyre store in a two-person team; the same backend serves the Next.js storefront and the admin panel staff use for products, prices and orders.
 - Maintained an existing FastAPI backend for a client in Pakistan, fixing issues within the existing codebase and keeping the API stable.
 - Set up event-driven marketing for a US Shopify store with Zapier and Klaviyo: segmentation, welcome, abandoned-cart and follow-up emails.
- Python Developer Intern** · SoftBeck Limited, Faisalabad Jun 2025 – Aug 2025
- Built and maintained FastAPI services and automation scripts for the company's client projects.
 - Added AI-driven market research features using the Gemini and LLaMA 3 APIs.

SELECTED PROJECTS

- Revenue OS** (*in progress*) · FastAPI, PostgreSQL, Redis Streams, SQLAlchemy, Alembic, React, Docker
- Multi-tenant B2B platform for the full sales cycle: lead intake, enrichment, outreach, bookings, CRM and revenue analytics, built as a modular monolith with versioned REST APIs and JWT auth.
 - Tenant isolation is enforced in the data-access layer, and a transactional outbox feeds Redis Streams workers with retries and a dead-letter queue, so no job is lost. Phase 1 shipped with 23 passing backend tests.
- Deepfake Detection Platform** (*final year project, live at deep-fake.dev*) · Next.js, FastAPI, PostgreSQL, PyTorch, Docker, Stripe
- Full-stack web platform with Google sign-in, email OTP verification and Stripe payments; a ConvNeXt-Tiny model served from Docker on Hugging Face Spaces classifies uploads into six classes and shows Grad-CAM heatmaps.
- Clinic Voice Agent** · FastAPI, Pydantic, Vapi, Groq, n8n, Supabase
- Phone receptionist that books, reschedules and cancels appointments. The FastAPI tool router validates each request against typed models and logs every decision; I traced three integration failures to their root cause and covered the flow with a 12-case test suite.
- Guidance Engine** · Laravel, Vue, Inertia, JavaScript
- Product-tour platform with a dependency-free JavaScript SDK rendered inside Shadow DOM, integrated into 4 separate web apps and covered by XSS and access-control tests.

SKILLS

Languages: Python, TypeScript, JavaScript, SQL, PHP
Backend: FastAPI, Django, Flask, Laravel, REST APIs, JWT, Pydantic, SQLAlchemy, Alembic
Frontend: Next.js, React, Vue, Tailwind CSS
Databases: PostgreSQL, MySQL, SQLite, Redis, Supabase, Firebase
DevOps & testing: Docker, GitHub Actions, Vercel, Render, Git, pytest
AI: LLM APIs (OpenAI, Claude, Gemini, Groq), RAG, LangGraph, PyTorch

CERTIFICATIONS

SQL for Data Science UC Davis · Coursera, 2023	Database Design with SQL Server Coursera, 2023
Programming with Python 3.X Simplilearn, 2024	Create a GUI with Python Udemy, 2024
Machine Learning with Python IBM · Coursera, 2026	Deep Learning with PyTorch IBM · Coursera, 2026
Generative AI and LLMs IBM · Coursera, 2026	Orchestrate 24-hour hackathon HackerRank, 2026