

ABDULLAH QURESHI

Junior Full Stack Developer | Next.js, FastAPI & AI

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PROFESSIONAL SUMMARY

Junior Full Stack & AI Engineer proficient in Next.js, TypeScript, and FastAPI, specializing in building production-ready AI applications, RAG pipelines, and responsive web systems. Demonstrated experience in developing client solutions, implementing multi-tenant architectures, and securing REST APIs. Seeking a Full Stack / AI Engineering role to build scalable products and robust agentic systems.

WORK EXPERIENCE

Freelance Web Developer

2024 – Present

Independent Contractor • Karachi, Pakistan

- **Retail Product Catalog (Chara House):** Developed a dynamic product catalog dashboard with integrated WhatsApp direct messaging, enabling rapid lead generation and customer orders during peak sales periods.
- **Regional Blood Donation Directory:** Engineered a full-stack donor registry platform featuring location-based search, donor registration workflows, and real-time availability filtering to accelerate urgent donor matching.

PROJECTS

ResolvDesk — No-Code AI Chatbot Platform for Websites

[Live Demo](#) | [GitHub](#)

Next.js 16 • FastAPI • Python 3.12 • PostgreSQL (Neon) • Qdrant Cloud • Better Auth

- Built a self-serve SaaS platform where merchants sign up, upload docs/FAQs as a knowledge base, and customize a chat widget from a dashboard with live conversation logs, analytics, and ticket escalations.
- Enabled instant deployment via a single-line embed script pasted into a site's header, surfacing a branded chatbot that answers visitors strictly from that merchant's uploaded knowledge base.
- Engineered a FastAPI backend (Router-Service-Repository) with EdDSA JWT verification against a Better Auth JWKS endpoint, strict multi-tenant data isolation, and a Qdrant-backed RAG ingestion pipeline verified by 86 automated tests.
- Piloted the platform with early testers (personal referrals) to validate the merchant onboarding flow, embed-script deployment, and dashboard workflow end-to-end.

TaskCortex – AI-Native Task Management Platform

[Live Demo](#) | [GitHub](#)

Next.js 15 • FastAPI • PostgreSQL (Neon) • Better Auth • Mistral/OpenRouter

- Built a full-stack AI-native task manager that lets users orchestrate tasks and daily workflows through a natural-language conversational agent.
- Designed a Bring-Your-Own-Key (BYOK) architecture letting users connect their own LLM provider (Mistral, Groq, OpenRouter), with keys encrypted at rest via AES-256 Fernet cryptography.
- Built a responsive glassmorphism kanban dashboard with drag-and-drop status updates, dark/light theming, and stateless Better Auth session handling.

CERTIFICATIONS & ACHIEVEMENTS

- **Chromebook Award (Top Performance) | NED University (PITP)** July 2025
Selected among top 300 of 35,000 students across Sindh for excellence in Python programming.
- **Python Programming Course | NED University** Jan–Mar 2025
3-month intensive covering core Python and practical applications.
- **Hafiz-e-Quran — Completed** 2020
Memorization of the Holy Quran.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML5, CSS3

AI & Agents: RAG (Retrieval-Augmented Generation), Vector Embeddings, Agentic Workflows, Function/Tool Calling, Prompt Engineering, SSE Streaming

Frontend: Next.js (App Router), React.js, Tailwind CSS, Shadcn/UI, Redux Toolkit

Backend: FastAPI, Node.js, Express.js, RESTful APIs, Better Auth (JWT/JWKS, RS256/EdDSA)

Databases & ORM: PostgreSQL (Neon), Qdrant (Vector DB), MongoDB, SQLAlchemy, Alembic

Architecture & Security: Multi-Tenant SaaS Design, AES-256 (Fernet) Encryption, BYOK Systems

Tools: Git, GitHub Actions (CI/CD), Docker, Vercel, Postman

EDUCATION

Certification in Generative AI & Cloud-Native Architecture <i>Web Development, Generative AI, Agentic Workflows, FastAPI, and Cloud-Native Architecture</i>	Feb 2024 – Present
Govt. D.J. Science College Intermediate in Computer Science • Karachi, Pakistan	Aug 2024 – July 2026
Pakistan National Academy School Matriculation in Computer Science • Karachi, Pakistan	Aug 2022 – June 2024