

MUHAMMED WAQAR AHMED

Full-Stack Developer · Manufacturing Operations Manager

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Nationality: Pakistani | Gujranwala, Pakistan

PROFESSIONAL SUMMARY

Dual-discipline professional with 8+ years in full-stack software development and 7+ years managing an aluminium cookware manufacturing operation (Artisan Cookware, Gujranwala). As a developer, specialises in Next.js (App Router), FastAPI, and Supabase — delivering production-ready SaaS platforms and AI-integrated web applications across the full SDLC. As a manufacturing operator, manages factory production, workforce, quality control, and supply chain. Proficient in AI-assisted development tooling (GitHub Copilot, Cursor, Claude Code).

TECHNICAL SKILLS

Frontend	Next.js (App Router), React, TypeScript, Tailwind CSS, shadcn/ui
Backend	FastAPI, Python, REST APIs, Async Programming, .NET MVC
Database	Supabase (Auth / DB / Storage / RLS), PostgreSQL, MongoDB
DevOps	Vercel, Railway, CI/CD Pipelines, Git, GitHub
AI Tools	GitHub Copilot, Cursor, Claude Code — AI-assisted rapid delivery
Other	WordPress, Machine Learning (Google Certified), Prompt Engineering

PROFESSIONAL EXPERIENCE

Operations Manager | Artisan Cookware Feb 2018 – Present
artisancookware.co — Aluminium Cookware Manufacturer, Gujranwala (Est. 1998)

- Oversee end-to-end factory operations for a B2B aluminium cookware manufacturing business producing non-stick, metal finish, anodised, and gift set product lines for international wholesale and export markets.
- Manage full production lifecycle: raw material procurement, forming and finishing, batch quality inspection, packaging, and on-time dispatch — maintaining 3–4 week lead times on container-load orders.
- Drive international B2B sales: handle buyer inquiries, manage OEM/private label orders with custom branding, and coordinate FOB Karachi and CIF shipments.
- Built and launched the company's B2B wholesale enquiry platform (artisancookware.co) using Next.js and Supabase — directly applying tech skills to digitise international sales operations.

Full-Stack Developer | Freelance / Self-Employed Jan 2025 – Present

- Designed and deployed a full-stack e-commerce solution (Next.js + PostgreSQL) — handling the complete SDLC from client requirements through production launch on Vercel.
- Architected a custom FastAPI backend automating data-processing workflows for a small business, eliminating multiple hours of manual operations weekly.
- Delivered client projects integrating Supabase, MongoDB, and modern React patterns — consistently shipping production-ready MVPs within agreed timelines.

Center Manager | Aptech Learning — Gujranwala Jun 2022 – Sep 2024

- Managed full operations of a computer science education centre: student enrolment, faculty coordination, curriculum delivery, and centre performance.
- Concurrently pursued BS in Data Science (Virtual University of Pakistan) and completed multiple Google-certified Machine Learning programmes.

.NET & WordPress Developer | Gresys Technologies Pvt. Ltd. Feb 2016 – Feb 2018

- Developed Windows desktop business applications using .NET MVC architecture for local enterprise clients.
- Built, customised, and deployed WordPress websites including theme development, plugin integration, and full-site management.

KEY PROJECTS

Consulting — Immigration Case Management SaaS

Next.js · FastAPI · Supabase · PostgreSQL · TypeScript

Multi-tenant SaaS with strict Row-Level Security (RLS), Role-Based Access Control (RBAC) dashboards for Admins, Consultants, and Clients, async case management APIs, and document milestone tracking. Full CI/CD on Vercel + Railway. Currently in active use by immigration consultancies.

QPDF — AI PDF Chatbot

FastAPI · React · PostgreSQL · OpenAI API

Full-stack AI document assistant enabling natural language queries over PDFs. Extracts and chunks document content, generates vector embeddings, and semantically matches user queries to relevant sections. Features: file upload, smart chunking, and real-time chat interface.

AI Resume Analysis Platform

Next.js 15 · OpenAI GPT-4 · Supabase · TypeScript · Tailwind CSS

Production-ready SaaS with instant Guest Mode analysis for lead generation and a full User Account system with dashboards, progress tracking, analysis history, and PDF/text export. Built for career coaches, HR teams, and resume consultants. Delivered at 97%+ cost saving over custom development.

XAQIZ — Anonymous Confession Platform with AI Transformations

Next.js · FastAPI · Supabase · OpenAI API

Live SaaS (xaqiz.com) where users submit anonymous confessions and receive AI-generated transformations — dark poetry, short stories, or rap. End-to-end AI SaaS: secure anonymous data handling, OpenAI integration, scalable backend, modern frontend.

EDUCATION

BS Computer Science

Sep 2024 – Present

Virtual University of Pakistan

Diploma in Computer Science (3 Years)

Aug 2020 – Aug 2023

Aptech Pakistan

CERTIFICATIONS & SPECIALIZATIONS

Specializations

- **Prompt Engineering Specialization** — Vanderbilt University / Coursera
- **Google Advanced Data Analytics Professional Certificate** — Google / Coursera