

ABDUL RAFAY KHAN

Full-Stack Product Engineer

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Full-Stack Product Engineer with 4+ years of experience building production software for startups and businesses across Australia, the US, and Pakistan. I take products from idea to production — owning architecture, backend systems, mobile apps, deployment, and long-term maintenance across logistics, healthcare, manufacturing, retail, and social platforms.

Most projects have been delivered as the primary or sole engineer, partnering directly with founders and business owners to design, build, and ship production software across web, mobile, AI, and automation.

TECHNICAL SKILLS

Languages TypeScript · JavaScript · Python

Frontend React · Next.js · React Native · Expo · Tailwind CSS · Shopify Liquid

Backend Node.js · Fastify · Express.js · REST APIs · GraphQL

Databases PostgreSQL · Supabase · MongoDB · SQLite

AI & Systems OpenAI APIs · LangChain · pgvector · WebSockets · Offline-first Architecture · RLS · Ed25519

Automation n8n · Webhooks · CRM Integrations · Third-party API Pipelines

Platforms Odoo · Shopify

Cloud & DevOps Docker · AWS ECS · GitHub Actions · Expo EAS · Vercel

PROFESSIONAL EXPERIENCE

Software Engineer & Automation Developer · Part-time

[Involzv](#) — [Lahore, Pakistan](#) Dec 2025 – Present

Deliver software for international clients across healthcare, manufacturing, and e-commerce — owning projects end-to-end from architecture through deployment.

- Owned Shopify development for Simply Trees — built custom storefront features, USDA compliance filtering logic, and backend integrations that replaced manual processes.
- Built an AI-powered client intake and lead qualification assistant for ABC Achieve that screens potential clients and syncs them to the company's CRM.
- Built AI-powered customer support and lead capture automation for Jim The Handyman, integrating website inquiries directly into the company's CRM.
- Led the implementation of a company-wide Odoo ERP for Ittefaq Salt, covering manufacturing, inventory, purchasing, sales, CRM, and accounting workflows.
- Built business automation workflows integrating third-party APIs, AI services, and CRM platforms across multiple client projects.

Mobile Application Developer

[Word of Mouth](#) — [Remote, USA](#) Mar 2025 – Present

Own the full mobile engineering lifecycle for a production social platform deployed on both iOS and Android.

- Built and shipped the application from scratch using React Native, Expo, and TypeScript single codebase covering both platforms.
- Developed personalized content feeds and proximity-based discovery features.
- Optimized Supabase queries and database indexing to improve performance as user activity grew.
- Independently managed push notifications, API integrations, releases, and App Store / Play Store deployments.

Full-Stack Engineer

[Direct Transport Solutions](#) — [Remote, Australia](#) Aug 2023 – Jul 2025

Served as the sole engineer responsible for designing, building, and maintaining the company's core logistics platform used in daily business operations.

- Designed and built the complete logistics platform: an internal Admin Portal, Customer Portal, and React Native Driver application.

- Implemented real-time GPS tracking with WebSockets, allowing dispatchers and customers to monitor driver locations live.
- Designed the database architecture and access control model using PostgreSQL with Supabase Row-Level Security.
- Built CI/CD pipelines with GitHub Actions and resolved production issues across mobile and backend systems.
- Worked directly with stakeholders over two years to deliver features, fixes, and ongoing platform improvements.

Independent Software Engineer

Remote Various Clients

2024 – 2026

Delivered independent client projects spanning ticket validation, real estate AI, and B2B sales automation.

NodusTickets · Client: Gallo · React Native · Fastify · PostgreSQL · SQLite · Ed25519

- Designed the architecture for an offline-first ticket validation platform capable of securely verifying tickets without internet connectivity.
- Built cryptographically signed QR validation using Ed25519 — tickets cannot be forged or reused.
- Implemented cryptographic hash chaining to protect locally stored validation records against tampering.

Elite Property · Contract · Next.js · pgvector · Supabase

- Built natural language property search using semantic embeddings with pgvector.
- Automated lead qualification and routing workflows.
- Improved organic discoverability with Next.js SSR and dynamic routing.

Ferrati Sports · Contract · Node.js · LangChain · LLM APIs

- Developed data aggregation and lead enrichment pipelines that replaced manual prospecting.
- Integrated LLM APIs to generate personalized outreach at scale.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Science · University of the People · 2026 – Present

PagerDuty DevOps Professional Certificate · Tech7 AI Automation