

Huzaifa Muhammad Awan

Software Engineer | AI & Full-Stack Development

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Summary

Software Engineer building production **AI systems** and **multi-tenant SaaS platforms** for international clients across Australia and the United States. Shipped LLM-driven automation handling 150+ quotation requests weekly and 300+ monthly sales calls. Strong in **TypeScript**, **Next.js**, **Node.js**, event-driven architecture, and third-party API integration. **Open to relocation and visa sponsorship.**

Technical Skills

Languages	TypeScript, JavaScript (ES6+), Python, SQL
Frontend	Next.js 15 (App Router), React, React Native, Expo, Tailwind CSS, shadcn/ui, Responsive UI
Backend	Node.js, Express, Sequelize, REST APIs, WebSockets, Webhooks, JWT Auth, RBAC, Middleware
Databases	PostgreSQL, Supabase, MySQL
AI & LLM	Anthropic Claude API, OpenAI Assistants API, Prompt Engineering, Structured Data Extraction, Rubric-Based LLM Evaluation, Speech-to-Text Transcription
Automation	n8n, Event-Driven Workflows, CRM Synchronization, Automated Reporting
Integrations	Stripe (Checkout, PaymentIntents), Pipedrive, GoHighLevel, RentCast, Google Places, Google Distance Matrix, Resend SMTP, ElevenLabs, Vapi.ai
Architecture	Multi-Tenant SaaS, Event-Driven Design, Server-Side Proxy Layers, Idempotent Payment Flows, Role-Based Authorization
Practices	Git, CI/CD, Agile/Scrum, Applied DevOps, Software Architecture, Technical Documentation

Experience

Tracksion.io

Jun 2025 – Present

Software Developer

Remote

- Architected and deployed an end-to-end **AI sales automation system** for an Australian container logistics firm using **OpenAI Assistants** and event-driven **n8n** workflows, processing **150+ quotation requests per week**.
- Automated geospatial delivery cost computation (**Google Distance Matrix API**), invoice generation, **Pipedrive CRM** synchronization, and stage-based email dispatch, cutting average response time from **4–6 hours to under 60 seconds**.
- Eliminated **80% of manual sales handling effort** by replacing human triage with LLM-driven quote qualification and routing logic.
- Engineered a scalable **AI call intelligence pipeline** for a real estate client handling **300+ monthly sales calls**, combining automated transcription, **LLM-based structured data extraction**, and CRM record creation via **REST APIs**.
- Delivered **95%+ metadata extraction accuracy** and **100% structured CRM compliance**, reducing post-call administrative workload by approximately **90%**.

Projects

KPI Driver — AI-Powered Real Estate SaaS Platform

Next.js 15 (App Router), TypeScript, Supabase/PostgreSQL, Stripe, Anthropic Claude API, n8n, Resend

- Architected and shipped a **multi-tenant full-stack SaaS platform** powering six LLM-driven modules for real estate teams: Deal Underwriting, Sales Coach, Training Coach, Note Taker, Data Enrichment, and Skip Tracing.
- Designed an end-to-end **AI underwriting pipeline** combining LLM property condition assessment, automated comp validation/categorization, and ARV synthesis from RentCast data, producing a dynamic PDF report with a re-run workflow for manual overrides.
- Integrated **RentCast** (comps, AVM), **Google Places API**, and Axesso (image retrieval) behind a **server-side proxy layer** for credential isolation and rate control.
- Built a real-time **call intelligence system** (Sales Coach) ingesting n8n webhooks, mapping reps across **GoHighLevel** sub-accounts, and scoring calls via **Claude-based LLM evaluation** against role-specific rubrics, surfacing live analytics, leaderboards, and per-call AI coaching breakdowns.
- Implemented per-user, per-app **access control in Next.js middleware** with role-based authorization (super admin / admin / user) and an admin console for user lifecycle management, including invite flows via **Supabase Auth** and Resend custom SMTP.
- Developed a company-scoped **billing and wallet system on Stripe** supporting one-click off-session charges, Stripe Checkout fallback, **idempotent PaymentIntent** top-ups, and real-time balance sync without page reload.

TaskBuddy — AI-Enabled Home Services Platform (Final Year Project)

React Native, Expo, Next.js, Node.js, Express, Sequelize, MySQL, JWT, WebSockets, Voiceflow

- Built a real-time, full-stack **home services marketplace** connecting customers with vendors for plumbing, electrical, and other on-demand services.
- Architected a scalable backend using **Node.js, Express, Sequelize, and MySQL** with **JWT-based authentication** and **role-based access control (RBAC)**.
- Developed a cross-platform mobile client (**React Native + Expo**) with location-based vendor matching and integrated wallet payments.
- Implemented **WebSocket-powered real-time chat** with message persistence, unread counters, and typing indicators, plus an admin dashboard for analytics, service/category management, and role-based user administration.
- Integrated a **conversational AI chatbot** (Voiceflow) enabling natural-language booking, FAQ handling, and in-platform customer support.

Education

FAST National University of Computer and Emerging Sciences (FAST-NUCES)

Sep 2021 – Jun 2025

Bachelor of Science in Software Engineering

Karachi, Pakistan

Relevant Coursework: Data Structures and Algorithms, Information Retrieval, Applied DevOps, Software Development and Architecture, Software Project Management, Probability and Statistics in CS