

Humayun Saeed

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PROFESSIONAL SUMMARY

Full-Stack AI/ML Engineer with 2+ years building production-grade SaaS systems using Next.js, NestJS, Hono, FastAPI, and LangChain/LangGraph. Expertise in multi-agent orchestration, RAG pipelines, real-time APIs, and GenAI integrations. Shipped a complete multi-tenant pharmacy ERP solo in under 40 days. Worked across remote teams in Pakistan, Saudi Arabia, Canada, and Qatar.

TECHNICAL SKILLS

Frontend: React.js, Next.js 15 (App Router), Tailwind CSS, TypeScript, Responsive Design

Backend: Node.js, NestJS, Express.js, Hono, FastAPI, RESTful APIs, WebSockets, JWT Auth, Prisma ORM

AI/ML: LangChain, LangGraph, OpenAI GPT-4, Whisper STT/TTS, RAG Pipelines, Multi-Agent Orchestration, Prompt Engineering, LiveKit

Databases: PostgreSQL, MongoDB, Supabase (RLS), Redis, Neon

Cloud & DevOps: Docker, Vercel, GitHub Actions, CI/CD Pipelines, AWS, Turborepo

Tools: GitHub, Git, Jira, Agile/Scrum Methodologies

PROFESSIONAL EXPERIENCE

Full Stack Developer & Project Manager — ObsidianX, Remote Sep 2025 – Present

- Architected multi-tenant SaaS systems using Next.js, NestJS, and Supabase with row-level security ensuring strict per-tenant data isolation across all API layers.
- Designed and built FastAPI backend services powering LangChain-based automation tooling and GenAI feature delivery with structured LLM output parsing.
- Owned CI/CD infrastructure via GitHub Actions and Docker, achieving zero-downtime deployments and driving Agile sprint planning end-to-end.

React Native Developer — Voultrex, Doha, Qatar (Contract) Apr 2025 – May 2025

- Profiled and resolved runtime performance bottlenecks through memory analysis and component-level optimisations, delivering pixel-accurate Figma implementations ahead of schedule.
- Integrated analytics SDK to capture user funnel events, surfacing key drop-off points that directly informed product roadmap decisions.

Software Engineer — WayInTech, Jeddah, Saudi Arabia Dec 2024 – Mar 2025

- Re-engineered legacy ERP modules with normalised schema design and query optimisation, cutting client integration timelines by 30% across multiple production deployments.
- Collaborated directly with CTO and CFO in Agile sprints, contributing to internal coding standards, peer code reviews, and cross-team architectural decisions.

Software Engineer Intern — Zortik Technologies, Kelowna, Canada Jan 2023 – Oct 2023

- Boosted network traffic inspection efficiency by 40% by writing Python automation scripts replacing time-intensive manual Wireshark packet analysis workflows.
- Developed Python tooling for network data parsing and reporting, authored custom Lua plugins, and collaborated across Jira and GitLab in a distributed Agile team.

KEY PROJECTS

Ruhab — Multi-Tenant Pharmacy ERP (Solo Founder · Next.js 15 · FastAPI · LangChain · Whisper · GPT-4): Shipped a production multi-tenant pharmacy ERP solo in under 40 days — 50+ secured REST APIs with RBAC, JWT refresh-token rotation, and an AI voice prescription entry workflow via Whisper and GPT-4 with LangChain orchestration.

Corvus — Real-Time Messaging Platform (Solo Founder · Next.js · Hono · Prisma · PostgreSQL · WebSockets · Tauri): Engineered a WebSocket-based real-time messaging system with channel routing, presence detection, and typing indicators using Hono for the API layer; deployed a cross-platform desktop app via Tauri with auto-updater and native OS notifications.

WhatsApp AI Ordering Agent — Ammi Jee's Kitchen (Kaspo.ai · Claude (Anthropic) · Haversine): Built a multilingual (Urdu/Roman Urdu/English) WhatsApp AI ordering agent on Kaspo.ai powered by Claude, with delivery fee calculation via Haversine formula, abuse prevention logic, and owner alert notifications.

HealthSmart Assistant (Lead Developer · FastAPI · LangGraph · Next.js · Supabase RLS): Architected a multi-agent LangGraph orchestration pipeline handling triage, prescription review, and appointment scheduling with structured LLM output parsing and RLS-secured authentication.