



Hamza Yousaf

Full-Stack AI Engineer

Phone: +923127568518

Email: hamzayousaf056@gmail.com

Born: 18/04/1998

[LinkedIn](#), [Github](#)

Technical Skills

Languages: JavaScript (ES6+)(6 years of project experience), TypeScript (1), Python(1), SQL (1),

Frontend: React (6), Next.js (4), Remix (1), React Native (Android/iOS/Huawei) (2), TailwindCSS (4), shadcn/ui (1), Redux Toolkit (4), ContextAPI (4)

Backend & APIs: Node.js (2), REST API Design (2), FastAPI, Webhooks (2), Event-Driven Architecture (2), JWT (2), OAuth2 (2), RBAC (2), Realtime Systems (Streaming APIs, WebSockets) (2)

Databases: PostgreSQL (2), MongoDB (2), Firebase (2)

AI & Agents: OpenAI Realtime API (1), LLM Streaming (1), Structured Output Extraction (1), Function Calling (1), Prompt Engineering (Voice/Realtime/Persona) (1), AI Agent Architecture (1), Conversation State Management (1), Automation Workflows (1)

Voice & Telephony: Twilio (IVR, DTMF, Call Flow) (1), Vapi (1), Realtime Speech-to-Text (1)

Integrations: Stripe (4), RingCentral (4), NextGen HER (4), Google Places API (US-only filtering) (4), OneSignal (4), Complex Third-Party API Integration (4)

DevOps & Cloud: Docker (4), Git (6), GitHub Actions (CI/CD) (4), AWS (2), Microsoft Azure (2), Multi-Environment Deployment (2)

Professional Summary

Full-Stack AI Engineer with 6+ years of experience building scalable web and mobile applications across Android, iOS, and modern web platforms. Specialized in React, Next.js, Node.js, and PostgreSQL, with hands-on experience in AWS, Azure, and CI/CD automation. Recently focused on AI-powered systems, integrating LLMs, realtime APIs, and workflow automation to build intelligent products that drive measurable business impact and revenue growth.

Work Experience

Full-Stack AI Engineer

Droidor | March 1, 2021 – May 31, 2026

1. AI Appointment Automation System (Realtime + Voice + IVR Orchestration)

- Built a B2C automation platform that collects patient data via chat and voice interfaces
- Designed IVR navigation logic to programmatically interact with hospital phone systems
- Orchestrated real-time API communication and call automation workflows
- Automated appointment booking and confirmation end-to-end

2. Healthcare Referral Automation Platform (OCR + LLM + EHR Integration)

- Engineered an AI-powered referral processing pipeline using OCR and LLM-based data extraction
- Integrated NextGen EHR APIs for structured patient data synchronization
- Built automated fax ingestion workflow via RingCentral API
- Delivered MVP adopted by two hospitals, including one paying client

3. Multi-App E-Commerce Ecosystem (React Native, Node.js, PostgreSQL)

- Architected and led development of a three-application commerce ecosystem (User, Rider, Merchant) supporting 15,000–20,000 daily orders
- Engineered wallet and bill payment systems ensuring transactional integrity
- Optimized backend performance and state management for high-concurrency traffic

4. B2B SaaS Comparison Platform (Next.js, Node.js, PostgreSQL)

- Developed a subscription-based SaaS platform for hospitality and travel software integrations
- Designed scalable REST APIs and PostgreSQL schema
- Implemented subscription flows, onboarding workflows, and access control

React Native Developer

VeteranLogix | September 1, 2019 – November 30, 2020

- Developed multiple mobile applications for Android and iOS platforms using React Native.
- Worked on a social app, allowing users to post pictures, create profiles, like, comment, and share content. Handled the front-end and integrated REST APIs.

- Contributed to a service-based app where customers could find nearby service providers using Google Maps. Enabled service providers to list their services.
- Deployed the Android app to the Google Play Store.

Education

- Bachelor of Science in Computer Science ARID Agriculture University, Rawalpindi | 2015 – 2019

LANGUAGE SKILLS

English (C2) | Punjabi (Mother tongue) | Urdu (C2)

HOBBIES

Tech | Browsing | Netflix