

Afraz Khan

AI Engineer & Automation Specialist

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PROFESSIONAL SUMMARY

Software engineer specializing in production-grade AI agents, real-time voice interfaces, and end-to-end workflow automation. Proven track record architecting multi-tenant distributed systems, low-latency conversational voice agents, and WhatsApp/CRM integrations for clients across the US, Puerto Rico, and Pakistan. Comfortable owning the full stack — from LLM orchestration and function calling down to VPS deployment, database design, and webhook infrastructure — for businesses in hospitality, real estate, and e-commerce.

WORK EXPERIENCE

AI Automation Engineer & Full-Stack Consultant — Independent / Afrastic 06/2023 – Present
Peshawar, Pakistan (Remote — Global Clients)

- Architected and deployed production conversational AI agents and automation pipelines for clients including KarParts.ai, Managebnb.online (Coastal & Marine), Sunset Paradise Villas, Vaunt/Epicurus, and Khyber Champions League.
- Built real-time, low-latency voice agents using LiveKit, ElevenLabs, WebRTC, and Twilio, handling inbound/outbound customer calls, lead qualification, and reservation intake for hospitality clients.
- Engineered multi-tenant backend systems in NestJS and Next.js on Supabase, with Traefik-based wildcard subdomain routing, Docker, and PM2 process management on self-managed VPS infrastructure.
- Designed omnichannel messaging pipelines (WhatsApp Cloud API, self-hosted WAHA, Twilio, n8n) covering lead qualification, booking confirmations, and automated check-in/scheduling notifications.
- Integrated third-party systems including Cloudbeds PMS, Beds24, Microsoft Dynamics 365, and Webflow CMS to unify booking, inventory, and CRM data across client platforms.
- Cut manual operational turnaround by an estimated 50-65% across client platforms through fault-tolerant webhooks, database triggers, and resilient API routing.

KEY PROJECTS

KarParts.ai — WhatsApp Multi-Agent Commerce

Built a WhatsApp-based multi-agent system for used car parts sourcing, matching customers to suppliers, handling negotiation, and processing payments via Stripe. Delivered in a two-month build cycle.

Managebnb.online (Coastal & Marine) — Founder & Lead Architect

End-to-end guest operations platform for short-term rentals in Puerto Rico. Unified WhatsApp agent, voice agent, and CRM dashboard integrated with Cloudbeds PMS, covering multi-channel booking webhooks and automated guest communication.

Sunset Paradise Villas — "Sofia" Voice & WhatsApp Agent — Rincón, Puerto Rico

Delivered a unified conversational agent (WhatsApp + voice) built on n8n, Beds24, ElevenLabs, and Twilio, including a RAG knowledge base, custom persona design, and Chatwoot inbox integration.

Vaunt / Epicurus — Admin Platform & ERP Sync

Built a centralized admin platform replacing manual Sheets/Drive workflows, syncing Microsoft Dynamics 365 (with e-Jewelry ERP extension) to Webflow CMS with role-based pricing via Memberstack.

Khyber Champions League (via 27 Media) — Web Platform

Delivered the public website and admin panel, including DNS/routing infrastructure (Cloudflare, Traefik), transactional email setup, and a cinematic intro video produced with Remotion.

Afrastic — Founder

Automation agency and gym-management SaaS platform providing voice bot integration, API orchestration, and enterprise LLM pipeline infrastructure for premium gyms in Pakistan.

EDUCATION

BS Software Engineering — FAST-NUCES Expected 2027
Peshawar, Pakistan

Core coursework: Data Structures & Algorithms, OOP, Operating Systems, Database Systems, Computer Networks, Distributed Systems, Software Project Management.

TECHNICAL SKILLS & LANGUAGES

AI & Voice	LiveKit, WebRTC, ElevenLabs, LLM Orchestration, Function Calling, Prompt Engineering, RAG, Agentic Workflows
Backend	Node.js, NestJS, Next.js, Express, Python, RESTful APIs, Microservices Architecture
Automation	n8n, Twilio, WhatsApp Cloud API, WAHA (self-hosted), Meta Graph API, Webflow CMS, Google APIs, BillionMail
Data & Infra	PostgreSQL, Supabase, Docker, Traefik, PM2, MinIO, Git, Linux/Ubuntu VPS deployment
Integrations	Cloudbeds PMS, Beds24, Microsoft Dynamics 365, Stripe, Chatwoot
Languages	Pashto (mother tongue), Urdu (C2 — Proficient), English (C1 — Professional Working)