

Abdul Rehman Zahid

AI Engineer · Co-Founder, OmniHand AI

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PROFILE

AI Engineer with 3+ years of experience building production-grade AI agents, RAG systems, and multilingual NLP solutions using Python, LangChain, LangGraph, OpenAI, Claude, and AWS. Co-founder of OmniHand AI, a multi-tenant AI customer-support platform. Proven track record of deploying scalable AI products that automate enterprise workflows, reducing manual operations by 40%. Passionate about agentic AI, LLM infrastructure, workflow automation, and real-world AI system deployment.

EXPERIENCE

- Co-Founder, [OmniHand AI](#)

Present

 - Co-founded, with Muhammad Faizan Mumtaz and Bushra Akram, a multi-tenant AI customer-support platform: any business can sign up, create an AI agent, and train it on its own data.
 - Human-handoff rules and a shared team inbox, so staff pick up the chats the AI can't handle with the full conversation in front of them.
- AI Tutor (Freelance), [Preply](#) (Remote) · [tutor profile](#)

2025 – Present

 - Taught 100+ students worldwide across 600+ lessons on AI, automation, and AI-assisted development.
 - Project-based curricula from Python and LLM APIs through prompt engineering, RAG, agentic AI design, n8n automation, and Claude Code, for beginners through practitioners.
- AI Engineer, [Xeven Solutions](#) (Lahore, Pakistan)

2023 – Present

 - Designed and deployed production-grade AI agents and multi-agent systems with long-term memory, reducing manual operational effort by 40% across legal tech, education, and enterprise workflows.
 - Architected and shipped Retrieval-Augmented Generation (RAG) pipelines with semantic search, document processing, and vector storage, integrating OpenAI, Anthropic Claude, and Google Gemini for enterprise question-answering.
 - Built multilingual AI systems supporting Arabic and English with specialized NLP pipelines.
 - Upgraded the company's AI infrastructure and model deployment policies: AWS EC2, Docker, redundant vector databases, API failover, and model backup systems for production reliability.
 - Built orchestration pipelines with LangChain, LangGraph, the OpenAI SDK, MCP integrations, and Slack, Gmail, and LinkedIn API automations for end-to-end agent workflows.
 - Deployed self-hosted n8n with PM2, Nginx reverse proxy, and SSL; set up LangSmith monitoring and token-usage analytics across production agents to improve observability and control spend.

PROJECTS

HelloGard: Multi-Agent Fleet Assistant	demo video
Hierarchical multi-agent platform for commercial robot fleets: a Supervisor Agent routes queries to specialized SQL and troubleshooting sub-agents for live fleet metrics and manufacturer-specific repair guidance. PostgreSQL checkpointing keeps conversations stateful; retry middleware and rate limiting for production reliability. Python, FastAPI, LangGraph, LangChain, MSSQL, PostgreSQL, SQLAlchemy	
Influencer's GPT · irfangpt.com	demo video
AI content-indexing system that processes 200+ hours of a creator's YouTube content and answers in their voice with 90% style accuracy. Python, FastAPI, OpenAI, Whisper, LangChain, Vector Database, RAG	
NLP Practitioner LMS (Serbia)	demo video
AI-powered LMS with a dual-agent architecture (a Teaching Agent for structured pedagogy and a General Agent for practical Q&A), plus tiered RBAC (Free / Practitioner / Master), a 29-chapter adaptive curriculum, MCQ assessments, and real-time SSE chat streaming. Python, FastAPI, OpenAI, LangChain, PostgreSQL, JWT, OTP, Server-Sent Events	
Covis AI · covis.ai	
AI business-development workspace: scores job posts (potential, risk, apply/skip with confidence), drafts tailored proposals by retrieving the company's own past projects and services, analyses client conversations for sentiment, urgency, and next-best action, and gives each company a public AI agent that answers questions about its work. Human-in-the-loop: nothing is sent until a person edits it. Python, FastAPI, LangChain, LangGraph, OpenAI, RAG, PostgreSQL	
My Florida Green Support Chatbot · myfloridagreen.com	
AI support chatbot for My Florida Green, a Florida medical-marijuana clinic. It answers visitors' questions about the clinic's doctors, medical products, symptoms, and general FAQs, and hands the conversation to a human support agent when it can't help.	

EDUCATION

BSc Electrical Engineering Technology, Government College University Faisalabad	Jul 2017 – Aug 2022
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SKILLS

Core: Python, FastAPI, PostgreSQL, SQL optimization, WebSocket	
LLMs & agents: LangChain, LangGraph, OpenAI SDK, Anthropic Claude, Google Gemini, multi-agent systems, long-term memory, MCP	
Retrieval: RAG, semantic search, vector databases, embeddings, document processing, prompt engineering, context optimization	
Multimodal: Vision API, Whisper / STT, text-to-speech, Arabic NLP, multilingual pipelines	
Infra: Docker, AWS EC2, VPS deployment, Nginx, PM2, SSL, LangSmith, token analytics	
Automation: n8n, webhooks, API chaining, Slack / Gmail / LinkedIn APIs	
Tools: Cursor IDE, Claude Code	

LANGUAGES

English, Urdu
