

ZAIN UL ABIDEEN RIZVI

Full-Stack AI Engineer | LLM Agents · RAG Systems · SaaS Products
MS Computer Science – Air University
BS Software Engineering – NUML University
Available for Remote · Open to Relocation

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🐙 GitHub Profile
🌐 LinkedIn Profile
🌐 Portfolio

PROFILE SUMMARY

Full-Stack AI Engineer with 4+ years building production-grade AI systems, LLM-powered agents, and multi-tenant SaaS platforms. Delivered end-to-end solutions spanning RAG pipelines, autonomous email and call agents, and AI-driven mobile applications across healthcare, e-commerce, and enterprise sectors. Experienced in architecting scalable cloud infrastructure on AWS and integrating cutting-edge AI APIs (OpenAI, Anthropic, Groq, Gemini). Actively seeking fully remote or relocation opportunities with European companies.

EDUCATION

- **Master of Science in Computer Science** Jan 2026 – Present
Air University, Islamabad Semester 1
- **Bachelor of Science in Software Engineering** 2021 – 2025
NUML University, Islamabad

EXPERIENCE

- **Full Stack Developer** Mar 2026 – Present
Vizz Web Solutions On-site
 - Designing and delivering AI/GenAI agent-based solutions for 10+ clients on AWS, including LLM-powered workflows and automated pipelines, serving 50K+ users across production systems.
 - Built and deployed 15+ AI-enabled web applications using React.js and Node.js with CI/CD on AWS; maintained 99.9% uptime and reduced average page load time by 40% through performance optimisation.
- **Associate Software Engineer** Jan 2025 – Jan 2026
Myntrix Technologies Remote
 - Collaborated with 10+ clients across finance, healthcare, and e-commerce to translate business requirements into scalable system architectures; delivered 15+ enterprise web applications on time.
 - Reduced deployment time by 60% by architecting AWS infrastructure (EC2, S3, Lambda) with Docker containerisation and automated CI/CD pipelines via GitHub Actions.
 - Improved system performance by 40% through backend query optimisation, caching strategies, and code refactoring.
- **Full Stack Developer** Oct 2024 – Jan 2025
Decimal Solution On-site
 - Built five enterprise-grade MERN stack applications with Next.js, integrating 20+ third-party APIs (Stripe, SendGrid, Twilio, AWS services) to deliver end-to-end client functionality.
 - Boosted application performance by 55% through database query optimisation, Redis caching, and MongoDB indexing on systems handling 15K+ daily requests.
 - Achieved 85% code coverage and cut deployment errors by 65% through automated testing and CI/CD workflows.
- **MERN Stack Developer** Jan - Aug 2024
RS Consultants Pvt. Ltd. On-site
 - Built six responsive web applications using React.js and Node.js with MongoDB schemas supporting 500K+ property records and optimised query performance.
 - Developed real-time analytics dashboards processing 1M+ data points daily via well-structured RESTful APIs.
- **Junior Full Stack Developer** May 2022 – Nov 2023
Freelance & Contract Work Remote
 - Delivered 8+ web projects for startups and small businesses using React.js, Node.js, PostgreSQL, and MongoDB, collectively serving 10K+ monthly users across AWS and Firebase environments.

PROJECTS

- **Chatbot Developer Platform** 🌐
Multi-tenant SaaS platform enabling businesses to build, deploy, and manage AI chatbots.
 - Architected a full SaaS product where business owners create chatbots from a custom knowledge base, which is vectorised and stored in Pinecone for semantic retrieval; chatbots are embedded on client websites.
 - Implemented multi-tenant isolation, chatbot enable/disable controls, real-time RAG-based responses, and a reseller model allowing owners to monetise chatbots independently.
- **AI Health Assistant Mobile App** 🌐
Comprehensive AI-powered health companion for personalised wellness management.
 - Built a React Native mobile app with FastAPI backend delivering AI-generated weekly workout plans and personalised meal recommendations based on individual health data.
 - Integrated multi-modal AI features including medical report analysis, skin condition analysis with recommendations, and food/healthcare product scanning with AI-driven nutritional and safety insights.

•AI Email Outreach Agent

Autonomous end-to-end email outreach pipeline with intent detection and follow-up automation.

- Built a fully automated agent that pulls leads from a database, generates personalised outreach emails via OpenAI based on each lead’s business profile, and sends, tracks, and updates delivery status in real time.
- Implemented intelligent follow-up scheduling (Day 3 and Day 10), automated reply handling, and intent analysis to classify responses; notifies admin when a lead signals buying interest.

•AI Inbound + Outbound Call Agent 🌐

Voice AI agent for automated business calls with knowledge base and CRM integration.

- Developed an AI-powered voice agent capable of handling both inbound customer calls and outbound prospecting, operating from a structured business knowledge base or a manually provided contact list.
- Integrated call orchestration, real-time voice interaction, and post-call Gmail reporting for admin visibility.

•Enterprise AI Chatbot 🌐

Multi-tenant RAG-based conversational AI platform with scalable backend orchestration.

- Built a RAG platform using Pinecone vector embeddings for intelligent knowledge retrieval, supporting 5K+ concurrent users with multi-tenant isolation and efficient prompt management.

•Storink Business CRM 🌐

Multi-tenant SaaS enterprise platform with modular business management.

- Engineered a multi-tenant SaaS platform with Inventory, HR, Learning, and Clinic modules featuring role-based access control, real-time analytics, and subscription billing; adopted by 100+ active businesses.

•Virtual Try-On eCommerce Platform 🌐

AI-powered fashion store with ML-based virtual try-on capability.

- Integrated an ML-driven virtual try-on feature processing 10K+ monthly image inferences via HuggingFace APIs, embedded directly into the shopping journey to improve purchase confidence.

•All Projects 🌐

A curated collection of all projects including AI agents, SaaS platforms, and full-stack web & mobile applications.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, C/C++, HTML/CSS
Frontend	Reactjs, Nextjs, React Native, Redux, Tailwind CSS, UI Libraries
Backend	Nodejs, Expressjs, FastAPI, Flask, REST APIs, GraphQL
Databases	MongoDB, PostgreSQL, MySQL, Firebase, Redis, Supabase, Pinecone
AI & LLMs	OpenAI, Anthropic Claude, Groq, Gemini, LangChain, HuggingFace, n8n, RAG Pipelines, LLM Agents, Retell AI
Cloud DevOps	AWS, Azure, GCP, Docker, GitHub Actions, Vercel, Git
System Design	Multi-Tenant SaaS, Event-Driven Workflows, Caching Strategies, Schema Design
Leadership	Solution Architecture, Requirements Analysis, Client Communication, Team Mentorship

CERTIFICATIONS & ACHIEVEMENTS

- IELTS**– Score: 6.5 (B2 English Proficiency) 2025
- Web Development Competition**– 1st Place, NUML University 2022 – 2023