

ZAIN UL ABIDEEN

Full Stack Developer

Lahore, Pakistan | +92-324-7626060 | zainbhinder01@gmail.com | [LinkedIn](#) | [Portfolio](#)

SUMMARY

Full Stack Developer with 4+ years of experience delivering scalable, secure applications for insurance, healthcare, and education sectors. Proficient as FullStack Developer with hands-on expertise in Serverless Architecture (AWS Lambda, EventBridge, S3), optimizing backend services, and integrating complex APIs.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Angular, Redux, TypeScript, Tailwind CSS, React Hook Form + Zod, React Query

Backend: Node.js, Express.js, Python, FastAPI, SQLAlchemy/SQLModel, Sequelize, REST APIs, WebSockets, Stripe API

Databases: PostgreSQL, SQL Server, MongoDB, BigQuery, Alembic

Cloud & DevOps: AWS (Lambda, S3, EventBridge), Azure (Blob, AD B2C, Document Intelligence, AI Search, Microsoft Entra ID), Google Gemini, Docker

Security & Architecture: Clean Architecture, Role-Based Access Control, OAuth/JWT/2FA, AES/RSA Encryption, CSRF Protection.

WORK EXPERIENCE

Kcube AI | Full Stack Developer

Oct 2025 - Present

DocAI | Full-Stack AI Engineer

- Architected a RAG pipeline for an enterprise document-intelligence platform, combining Azure OpenAI embeddings with Azure AI Search hybrid (vector + semantic) retrieval for LLM-based document chat.
- Built a multi-model LLM routing layer (GPT-4o/5.1/5.5/5.6) across Azure OpenAI deployments.
- Engineered the async ingestion pipeline (Blob → Queue → Azure Function) chunking, embedding, and indexing documents via Azure AI Document Intelligence.
- Implemented multi-tenant RBAC (Super Admin/Admin/User) with org-scoped data isolation, Entra ID/Google OAuth.
- Led a security-hardening pass, closing cross-tenant IDOR risks by enforcing org-scoping checks across API endpoints.

DataXGrowth | Lead Developer

- Led development of a multi-tenant marketing intelligence platform connecting agency clients analytics tools (Google Analytics, Salesforce, Asana, HubSpot, LinkedIn) into a BigQuery warehouse for AI-generated insight digests.
- Designed the core data model and client-management API; built the Salesforce and Google Analytics 4 integrations; codeveloped an invitation-token-gated OAuth flow with Fernet-encrypted token storage.
- Architected the system as three independently deployable services (API, background sync, dbt pipeline).

Double Date AI | Product Design, Architecture & Client Lead

- Led product design and system architecture for an AI-first dating app introducing a staged-trust matching flow (AI text → AI-to-AI voice dating → video → real chat) before match reveal.
- Designed the core AI matchmaking pipeline using ElevenLabs voice cloning and Gemini (LLM) to simulate compatibility via AI-to-AI conversation.
- Built staged confirmation-gating logic controlling progression between conversation phases to enforce mutual consent.

PixupScale | Lead Developer

- Sole architect and lead developer of a multi-tenant AI image-processing SaaS (FastAPI, Next.js, Gemini) offering upscaling, enhancement, restoration, and photo-to-illustration tools.
- Built the entire subscription/billing system; Stripe Checkout, webhook-verified sync, 18-currency localized pricing, and credit-based metering tied to per-tool compute cost.
- Designed four independent AI processing pipelines backed by a custom per-user async-locking system enabling safe concurrent request handling without a global queue bottleneck.

ALA Portals | Frontend & Mobile Developer

- Contributed to a workforce-management platform for an Australian labour-hire agency (Angular web + React Native mobile + .NET backend), owning feature development across candidate and admin portals.
- Built a shared address/postcode validation service with in-memory caching to eliminate redundant lookup calls, and developed chatbot support widgets across both web portals, later porting the feature to the mobile app.
- Consolidated multiple redundant status-check API calls into a single endpoint, reducing unnecessary network requests, and built the "Assign Training" module with dropdown sorting and validation.

Insurance & Healthcare CRM / Serverless Architecture

- Developed CRM modules (React.js, Redux, Node.js, SQL Server) for managing patient records, prescriptions and pharmacy coordination supporting insurance and healthcare operations; integrated Five9 for real-time call workflows.
- Designed automated notification workflows using AWS Lambda and EventBridge to improve communication between patients, prescribers, and pharmacies.
- Implemented secure PDF generation and S3-based storage pipelines, integrated external APIs for comprehensive drug data management.

Multi-Admin Views & Role Management

- Built a scalable admin dashboard with Next.js, Redis, and SQL to standardize permissions across distributed services and ensure security compliance.
- Enhanced security by enforcing consistent role-based access control throughout critical system modules.
- Applied Clean Architecture principles for maintainability and scalability.

EDUCATION

Bachelor of Computer Science - University of Central Punjab, Lahore | 2018 - 2022