AHMED AFZAL

Full Stack Engineer (MERN | Cloud | AI Integration)

+92 331 8105915 • ahmed.afzal2070@gmail.com • LinkedIn • ahmedafzal.dev • Karachi, Pakistan

SUMMARY

Results-oriented Full Stack Engineer with expertise in the MERN Stack, Cloud Infrastructure, and AI Integration. Proven track record of architecting scalable Node.js backends and deploying containerized applications on Google Cloud Platform. Experienced in building automated document processing pipelines using Python and committed to writing clean, production-ready code for complex web applications.

EXPERIENCE

Full Stack Developer

AI Alpha Solution

January 2025 - Present | Karachi, Pakistan

- Architected a scalable e-commerce backend using Node.js and Express, deploying microservices to Google Cloud Run via Docker containers
- Developed Python scripts using Pandas for data analysis and built prototypes to extract data from medical and legal documents with Google Document AI
- Implemented secure JWT authentication and real-time inventory synchronization using the eBay API

MERN Stack Developer

FZHP Global Vision Marketing

August 2024 - January 2025 | Karachi, Pakistan

- Revamped a booking platform by integrating Stripe Payment Gateway for secure transactions and building a real-time admin dashboard
- Refactored legacy frontend code to modern React.js (Hooks/Context API), improving application performance and maintainability

Freelance Full Stack & Software Developer

Remote / Self-Employed

February 2021 - August 2024 | Karachi, Pakistan

- Developed "SmartAttend," a React Native (Expo) mobile application featuring offline-first architecture, GPS geo-fencing for staff attendance, and background sync with a Node.js backend
- Handled full-stack web projects for diverse clients, building scalable Node.js/Python microservices and modern React.js applications

Android Developer

Maspearls

April 2020 - February 2021 | Karachi, Pakistan

- Developed native Android applications integrated with Firebase for real-time data synchronization
- Implemented QR code scanning features and secure card payment systems for retail environments

TECHNICAL SKILLS

JavaScript (ES6+) Python (Pandas/NumPy) React.js Next.js Node.js

Express.js MongoDB PostgreSQL Redux Toolkit React Native (Expo)

Google Cloud Platform Cloud Run Pub/Sub Docker Git/GitHub

Google Document AI OpenAI API Firebase Stripe API Directus CMS

Postman

PROJECTS

Intelligent Document Processing System

ocr-mvp-ui.vercel.app

Python, Google Cloud, Document AI

- Designed a document extraction pipeline for processing PDF/Image data from medical and legal firms
- Implemented a Google Pub/Sub worker architecture to handle asynchronous document processing queues
- Utilized Google Document AI processors to extract structured entities from unstructured files

WeSellPickleball (E-Commerce Platform)

wesellpickleball.xyz

GitHub Repository

- Built a full-featured online store with nested category management and advanced product filtering
- Integrated eBay API for live inventory updates and developed a secure checkout flow

Geo-Fenced Attendance System (Mobile App)

React Native, Expo, Node.js, MongoDB

- Built a cross-platform mobile app allowing staff to mark attendance only within office premises using GPS geofencing
- Implemented offline-first architecture using Redux Persist to queue requests when internet connectivity is lost
- Deployed backend on Cloud Run with automated reporting dashboards for HR admins

EDUCATION

Bachelor of Science in Computer Science

PAF Karachi Institute of Economics and Technology

September 2021 - January 2025 | Karachi, Pakistan

Diploma in Software Engineering

Aptech

January 2017 - February 2020 | Karachi, Pakistan