

Abdul Rafay

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SUMMARY

Software Engineering graduate from FAST-NUCES with hands-on experience building full-stack web applications, AI-integrated backends, REST APIs, RAG pipelines, and cloud-deployed products. Comfortable owning work from requirements and development to testing, deployment and client delivery. Seeking remote backend, full-stack or AI application engineering roles.

EXPERIENCE

CTO 06/2024 – 01/2026
Hunvara (Freelance Development Studio) Pakistan

- Built and delivered end-to-end web and mobile solutions for clients across requirements gathering, development, and deployment.
- Managed client relationships and technical delivery.

Full-Stack Engineering Intern 06/2025 – 08/2025
Zapply USA

- Built frontend features and integrated backend APIs within a collaborative team environment.
- Contributed to production web application development using modern JavaScript stack.

EDUCATION

BS Software Engineering 08/2022 – 06/2026
FAST-NUCES, Islamabad Islamabad, Pakistan

TECHNICAL SKILLS

Languages

JavaScript, Python

Frontend

React.js

DevOps / Cloud

Docker, AWS (EC2, S3, RDS), Git/GitHub

Backend

Node.js, Express.js, FastAPI, JWT Auth, REST APIs, PostgreSQL, MongoDB

AI / ML

LLM Integration, RAG Pipelines, Vector Databases (Qdrant), Prompt Engineering

Tools

Postman, API Documentation

PROJECTS

SEOmation — AI-Powered SEO Content Automation Platform

[Node.js, Express, PostgreSQL, FastAPI, Qdrant, React]

Built a platform to identify niche-relevant topics, generate SEO-focused blog/social content, and run content analysis for publishing workflows.

Cloud Products App

[AWS EC2, RDS PostgreSQL, S3, Docker, Node.js, Express, React]

Dockerized full-stack CRUD app deployed with Express backend on EC2, React frontend on S3 static hosting, and private RDS PostgreSQL database.

FYP Handbook RAG Assistant

[Python, Streamlit, ChromaDB, Sentence Transformers, PyMuPDF, Google Gemini]

Built a text-only RAG assistant for the FAST-NUCES BS Final Year Project Handbook 2023 with section-aware PDF chunking and page-referenced answers.

OTHER

Other activities

- Founded and operated a tech business while completing a full-time degree.
- Attended workshop on Google Gemini API integration for AI-powered applications.