

Muhammad Rafay Siddiqui

Full Stack Developer

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 Muhammad Rafay Siddiqui

PROFILE

Full-stack developer with hands-on experience in building web applications using Next.js, FastAPI, NodeJS, GOlang and AI tools. Delivered end-to-end platforms and provided AI consultancy for businesses. Strong foundation in MERN stack with a focus on learning modern languages for scalable architectures . Proven ability to develop high availability, high performance full-stack applications for AI powered businesses. Eager to enhance and apply these skills to tackle complex challenges in a collaborative team environment.

SKILLS

Frontend — NextJS | React | Typescript | Tailwind CSS

Backend — NodeJS | GO | FastAPI (Python) | SpringBoot (Java) | RESTful APIs | MongoDB | Postgres | ElasticSearch | RabbitMQ | Redis

Devops — GitHub | Docker | GCP

PROFESSIONAL EXPERIENCE

Software Engineer

Zencould Technologies 

08/2025 – Present

- Developed a responsive frontend using **React** and **Tailwind CSS**, delivering a fast, modern, and intuitive user experience.
- Engineered a **high-performance Node.js** backend integrated with **Redis caching**, ensuring low latency, scalability, and optimal throughput.
- Built a **Go-based backend proxy** optimized for **ultra-low latency, high concurrency, and enterprise-grade reliability**.
- Integrated custom **NLP and machine learning models** to enable **intelligent automation and context-aware decision-making**.
- Designed a **RabbitMQ-based message pipeline** to guarantee **real-time event processing and low-latency communication** between services.
- Architected and deployed an **Elasticsearch database** for **high-speed indexing, instant lookups, and scalable data management**.

Full-Stack Developer Intern

Coftech.ai 

07/2024 – 12/2024

- Built a **RAG-based email responder** delivering **personalized and context-aware replies**, powered by **FastAPI** on the backend and **Next.js** on the frontend.
- Developed a **Next.js frontend** for a **Lead Generation Platform**, integrating **real-time meeting management and AI-driven meeting analysis features**.
- Designed a **RAG-powered chatbot** with **role-based access controls** to ensure secure and compliant handling of sensitive documents.
- Implemented **live web scrapers** to **discover, profile, and engage leads** through **personalized outreach workflows**.
- Created a **custom NLP sentiment analysis** model to evaluate lead intent and compute dynamic interest scores.

Web Developer

XposureVerse SMC-Private Limited 

03/2024 – 07/2024

- Built and launched responsive, high-performance websites using MERN stack & WAMP stack serving hundreds of users across different industries.
- Created, optimized and tested backend apis across several architectures, focused on SEO, safety, usability, speed, and accessibility.
- Integrated custom and third party APIs into visually appealing interfaces

PROJECTS

Linked Leads

FYP

- **Designed a scalable microservice architecture**, deploying independent services for features to ensure high performance and fault isolation.
- **Architected a RAG-based Email Responder** using FastAPI and Next.js to deliver context-aware, personalized responses to inbound communications.
- **Engineered a secure, role-based RAG bot** to enable safe querying of sensitive documents, ensuring AI-generated responses adhere to predefined access controls.
- **Developed dynamic web scrapers** with Selenium to identify and gather targeted leads from Google Maps and professional networks for hyper-personalized outreach.
- **Implemented a custom NLP model** for sentiment analysis to assign an "interest score" to communications, optimizing resource allocation to high-potential leads.
- **Integrated the Zoom Web SDK** for full meeting lifecycle management, including creation, audio analysis, and transcription directly within the platform.

EDUCATION

Bachelors In Computer Science

2021 – 2025

Comsats University Islamabad

CGPA: 3.07

Pre-Engineering (FSc)

2019 – 2021

Punjab College for Information Technology