

# 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

08/2025 – Present

Zencould Technologies 🌐

- 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

07/2024 – 12/2024

Cofitech.ai 🌐

- 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

03/2024 – 07/2024

XposureVerse SMC-Private Limited 🌐

- 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

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## 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

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<b>Bachelors In Computer Science</b> Comsats University Islamabad CGPA: 3.07	2021 – 2025
<b>Pre-Engineering (FSc)</b> Punjab College for Information Technology	2019 – 2021