

SAMAH SHAKIR ALI

Full Stack Engineer & AI Specialist

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PROFESSIONAL SUMMARY

Full Stack Engineer with 3+ years of experience engineering scalable microservices and high-impact **AI-powered solutions**. Proficient in the **Python** and **JavaScript** ecosystems with deep expertise in **Agentic AI**, LLM orchestration, and cloud architecture (AWS). Proven track record of reducing operational overhead by 40% and delivering award-winning SaaS platforms.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript (ES6+), C#, SQL, Solidity.

Frameworks & Libraries: React, Next.js, Node.js, .NET Core, ASP.NET, Entity Framework, Tailwind CSS.

AI & Machine Learning: OpenAI API, LangChain, Multi-Agent Systems, RAG Pipelines, Prompt Engineering.

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Kubernetes, CI/CD (GitHub Actions), Nginx, Redis.

Architecture: Microservices, RESTful APIs, Event-Driven Architecture, Serverless, MVC.

PROFESSIONAL EXPERIENCE

Full Stack Developer

Feb 2025 – Present

Lubab CIT Company Ltd.

Khamis Mushait, Saudi Arabia

- SaaS Architecture & Payments:** Architected a multi-tenant platform using React and Node.js, integrating **EdfaPay** to handle secure subscription payments and automating onboarding workflows by 40%.
- AI Product & API Ecosystem:** Designed **LubReminder** (🔗), an AI-driven appointment system, and engineered a full API package to enable seamless data synchronization with external third-party applications.
- Security & RBAC:** Engineered an enterprise-grade role-based access control system, ensuring data isolation for multi-channel support integrations.

Software Engineer

May 2023 – Nov 2024

ClaySys Technologies

Kochi, India

- Identity Security:** Engineered a FIDO2-compliant passwordless authentication module in **.NET Core**, aligning the platform with modern global security standards.
- API Scalability:** Optimized RESTful APIs serving a **SQL** database with 10,000+ active users; improved query performance and reduced latency by 20%.
- System Hardening:** Implemented a robust Multi-Factor Authentication (MFA) system delivering OTPs via SMS/Email to secure sensitive user accounts.
- Mentorship:** Mentored 2 junior engineers in C#/.NET best practices, conducting code reviews that improved team deployment velocity.

System Engineer

Sept 2022 – Apr 2023

Sovereign Enterprises

Calicut, India

- Infrastructure Optimization:** Managed high-availability server architecture, achieving 99.9% uptime through proactive monitoring and load balancing strategies.
- Automation:** Deployed monitoring tools (Zabbix, Grafana) and automated routine maintenance scripts, reducing manual operational overhead by 30%.

KEY PROJECTS

Cognify AI App | React Native, OpenAI API, Python



- Built a personal content generation engine using **Generative AI**. Achieved a 4.5/5 rating from 200+ beta testers for intuitive UX and response accuracy.



- Architected a decentralized reputation platform. Won the **State-sponsored Technology Innovation Award (Govt. of Karnataka)** for innovative use of smart contracts in trust verification.



- Developed a comprehensive accounting management system featuring real-time financial data visualization and automated reporting for SMBs.

EDUCATION & CERTIFICATIONS

B.Eng. in Computer Science

Visvesvaraya Technological University, India (2018 – 2022)

CGPA: 8.2/10

Certifications:

- AI Agents & AI Architecture (Vanderbilt University) – 2025
- RAG and Agentic AI Certification (IBM) – 2025
- Google Cybersecurity Professional (Google) – 2024
- Machine Learning with Python (Coursera) – 2024

LANGUAGES

English (Professional) · Arabic (Working) · Malayalam (Native)