

SUFIYAN AHMED SHAIKH

Full-Stack Developer | Databases & Secure Systems | Networking Basics

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OVERVIEW

Full-Stack Developer focused on secure, data-driven systems, comfortable across Next.js/React, NestJS/Node.js, and PostgreSQL/Supabase, with multi-tenant row-level security and JWT authentication in production. Backed by a solid grounding in TCP/IP, routing, switching, and SNMP/syslog monitoring, and currently working toward CCNA 200-301 to support reliable, secure banking infrastructure.

SKILLS

Full-Stack & Backend: Next.js & NestJS stack, React, REST APIs, clean UI components with Tailwind CSS

Databases: PostgreSQL & Supabase, schema design, table relations, row-level security, backend data modeling

Security & Testing: Auth & user security, JWT refresh-token rotation, encryption & firewall basics, Postman & manual testing

Networking Fundamentals: TCP/IP, OSI Model, IP Addressing & Subnetting, DNS, DHCP, Routing & Switching, VPN fundamentals

Monitoring & Protocols: SNMP, Syslog, network performance monitoring, Wireshark (beginner), Linux (Ubuntu)

DevOps & AI Tooling: Vercel/cloud deployment, Docker basics, Git & GitHub, AI-assisted coding & debugging with Claude

EXPERIENCE

Full-Stack Developer

FastForms, Freelance

Apr 2026 – Present

Remote

Live: fastforms.co.uk | fastforms.store

- Building the full FastForms ecosystem for a client: a Next.js marketing site, the main NestJS/Next.js web app, a dedicated admin panel, and a React Native (Expo) mobile app, all connecting to one shared API.
- Applied core architecture principles to design a multi-tenant PostgreSQL database, with row-level security enforced across 57 of 58 tables, JWT authentication with refresh-token rotation, and Stripe billing integration.
- Working through a professional security audit's hardening roadmap, addressing issues including credential exposure, CSRF gaps, and encryption weaknesses.

PROJECTS

Router Agent Framework (AllAgents)

Network Monitoring & Automated Failover System

GitHub: github.com/sufyan428/agents

- Built a 10-agent autonomous system that monitors router health, tracks SNMP metrics and syslog events, and handles automatic failover, with deterministic core logic (no AI dependency).
- Includes a simulated router environment to detect interface flaps, latency spikes, and security incidents without physical hardware.

NeTwin

Web-Based Network Diagnostics Dashboard

Live: netwin-seven.vercel.app

- Built a dashboard for checking website latency, live ping response times, and DNS status, giving quick feedback on server reachability and connection drops.

EDUCATION

B.S. Software Engineering

Sindh Madressatul Islam University (SMIU), Karachi

2022 – 2026

Coursework completed; degree and transcript awaiting university issuance.

- Relevant Coursework: Computer Networking
- Intermediate (Pre-Engineering), S.M. Science College, Karachi (Completed)
- Matriculation, The Educators School (Completed)

CERTIFICATIONS & TRAINING

- CCNA 200-301 – Working toward certification
- Cisco Packet Tracer – Self-paced routing & switching labs
- Languages – English, Urdu