Muhammad Yousif

Senior Software Engineer | Cybersecurity Specialist

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SUMMARY

Software engineer with 11 years in software and infrastructure, including 8 years of full-stack development (2018–2026) on web and mobile products: React/TypeScript front ends, GraphQL and Node/Java back ends, PostgreSQL, Flutter and React Native apps, and CI/CD on Linux and Google Cloud. Builds LLM agent systems (multi-agent orchestration, local open-source models) and brings an offensive-security mindset as a Certified Red Team Professional (CRTP). Comfortable owning systems end to end and working remotely across time zones.

EXPERIENCE

Co-Founder & Chief Executive Officer (CEO) **Apr 2026 – Present**
FortMind Cybersecurity · Doha, Qatar · Full-time

- Lead a GCC-focused cybersecurity training and services company delivering hands-on training in ethical hacking, penetration testing, cloud security and SOC operations.

Full Stack Web Developer (ReactJS, Flutter) **Mar 2018 – Mar 2026**
Confidential employer · Doha, Qatar · Full-time

- Architected back-end systems with Apollo GraphQL, improving application speed and reliability through cleaner data integration.
- Built front-end components in ReactJS with the Google Maps API, and led development of a TypeScript/Ant Design CMS that streamlined content workflows.
- Drove a migration to Dart/Flutter with AppWrite, ServerPod and PostgreSQL, reducing time-to-market and operational overhead.
- Automated CI/CD with GitHub and Ubuntu servers, reducing deployment errors; deployed and maintained a microservices architecture.

Software Lead **Apr 2024 – Feb 2025**
CPU Programming L.L.C · Doha, Qatar

- Led the development team with hands-on technical leadership, delivering custom software solutions for clients.
- Built a collaborative, high-performance engineering culture focused on code quality and delivery.

Full Stack Mobile Developer (React Native, Spring Boot, GCP) **Jan 2023 – Jul 2024**
Rasen Horses · Doha, Qatar

- Led full-cycle development of Rasen, a mobile platform for horse owners with service providers and an equine marketplace.
- Built the core app in React Native; enhanced the Flutter/Dart service-provider and vendor portals.
- Developed the Java Spring Boot back end on PostgreSQL; ran infrastructure on Google Cloud (Cloud Run, serverless).
- Automated App Store and Google Play releases with Expo CI/CD.

Core Network Engineer **Dec 2015 – Mar 2018**
University of Gezira · Wad Medani, Sudan

- Engineered and optimized the university's core network; administered mail, DNS, web hosting and database servers on Ubuntu, CentOS and FreeBSD.
- Managed campus-wide IT operations, troubleshooting and security patching.

SELECTED PROJECTS

Multi-Agent Project Evaluation System (Build for QSTP Hackathon) – six-agent pipeline (sanitizer, gatekeeper, three parallel specialist agents, coordinator) built with an Agent Development Kit to pre-screen innovation-program submissions.

Local-LLM security agent (in progress) – an authorized-pentest assistant running on local open-source models (Ollama), with custom recon and scan commands.

Tarheel – real-time school-bus tracking platform for schools in Qatar: live parent map and arrival alerts, supervisor trip app.

Postgraduate Studies Management System – web system and student app for a university postgraduate office (student records, registration, grades); delivered 2018, modernized 2025–2026.

Rasen Horse – equestrian platform: horse-care services, delivery and marketplace (React Native, Flutter, Spring Boot, GCP).

Mear Al-Mostaqbal – platform for a Doha training and consulting company. **Alaq** – Arabic-first classroom tool for primary teachers.

Learn Sudan – non-profit e-learning platform. **Sanad** – diaspora concierge platform. **SafeStream** – parent-controlled streaming. **Cyberany** – hands-on cybersecurity labs platform.

Hardware – ESP32-S3 heat-stress wearable for runners; camera-based parcel-sorting conveyor (parametric CAD); dual-Y Arduino pen plotter.

SKILLS

Languages	TypeScript, JavaScript, Python, Dart, Java, C/C++, SQL
Web & Mobile	React, Next.js, Node.js, Apollo GraphQL, REST, Ant Design, React Native (Expo), Flutter
Data & Cloud	PostgreSQL, AppWrite, ServerPod, Docker, Google Cloud (Cloud Run), Linux, GitHub CI/CD
AI	LLM agents, multi-agent orchestration, tool use, local open-source models (Ollama)
Security	Active Directory attack paths and red teaming (CRTP), web penetration testing, secure SDLC
Embedded	ESP32, Arduino, STM32, motor control, sensors

CERTIFICATIONS

- Certified Red Team Professional (CRTP), Altered Security, 2026
- Certified Red Team Operator (CRTO), in progress
- Apollo Graph Developer · TryHackMe Jr Penetration Tester

EDUCATION

- B.Sc. Electronics Engineering (Telecommunications)