

Muhammad Yousif

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Summary

Senior Software Engineer and Cybersecurity Specialist with 11+ years of experience building secure, scalable applications across full-stack web, mobile, and cloud infrastructure. Combines full-stack development expertise (React, Next.js, Node.js, Flutter/React Native) with advanced security practices — penetration testing, cloud security, DevSecOps, and zero-trust architecture — to deliver solutions that meet business requirements without compromising on protection against modern threats.

Core Technologies

Python · JavaScript · TypeScript · React · Next.js · Node.js · Flutter · React Native
Penetration Testing · Network Security · Cloud Security · DevSecOps · Docker ·
Kubernetes

Certifications

Certified Ethical Hacker (CEH) · AWS Solutions Architect · CISSP · CompTIA Security+

Professional Experience

FULL STACK WEB DEVELOPER — REACTJS | FLUTTER

Confidential · Doha, Qatar · March 2018 – Present · Full-time

- Architected backend systems with Apollo GraphQL, improving application speed and reliability through seamless data integration

- Engineered sophisticated front-end components with ReactJS and Google Maps API for enhanced user engagement
- Led development of an advanced CMS with TypeScript and ANTD, streamlining content management workflows
- Drove migration to Dart/Flutter with AppWrite, ServerPod, and PostgreSQL, reducing time-to-market and operational overhead
- Innovated CI/CD automation through GitHub and Ubuntu, reducing deployment errors and increasing release speed
- Managed microservices architecture deployment, enhancing scalability, fault tolerance, and maintainability

Technologies: React, Flutter, TypeScript, GraphQL, PostgreSQL, Redis, Docker, GCP

CO-FOUNDER | GENERAL MANAGER | SOFTWARE LEAD

CPU Programming L.L.C · Doha, Qatar · April 2024 – February 2025 · Full-time

- Established the company's strategic direction and guided long-term business vision for sustained growth
- Led the development team in creating innovative software solutions with hands-on technical leadership
- Cultivated a collaborative, high-performance development culture, driving technical excellence
- Established strategic partnerships to expand market presence in competitive markets
- Analyzed sales performance and implemented strategies to boost operational efficiency

Technologies: Leadership, Strategic Planning, Team Management, Business Development

FULL STACK MOBILE DEVELOPER — REACT NATIVE | SPRING BOOT | GCP

Rasen Horses · Doha, Qatar · January 2023 – July 2024 · Full-time

- Engineered the core mobile application using React Native for optimal cross-platform performance
- Enhanced service provider and vendor portals built with Flutter/Dart for seamless operations
- Managed cloud infrastructure on Google Cloud Platform using Cloud Run and serverless technologies
- Implemented CI/CD pipeline automation with Expo for efficient App Store and Google Play deployments
- Integrated PostgreSQL for efficient data management supporting growing user engagement
- Developed a robust backend with Java Spring Boot, ensuring scalability and security

Technologies: React Native, Flutter, Java Spring Boot, PostgreSQL, GCP, Expo

CORE NETWORK ENGINEER

University of Gezira · Wad Medani, Sudan · December 2015 – March 2018 · Full-time

- Implemented open-source technologies with Unix/Linux-based hosting systems, reducing costs and increasing flexibility
- Collaborated with engineering teams to troubleshoot network issues and apply security patches
- Managed end-to-end IT operations, ensuring network health and uninterrupted services campus-wide
- Administered mail servers, DNS, web hosting, and database systems, ensuring robust infrastructure

Technologies: Ubuntu Server, CentOS, FreeBSD, DNS, Database Administration, Network Security

Areas of Expertise

Software Engineering — Full-Stack Development, API Design & Development, Database Architecture, Cloud Infrastructure

Cybersecurity — Penetration Testing, Network Security, Security Auditing, Identity & Access Management

DevSecOps — CI/CD Security, Container Security, Infrastructure as Code, Security Automation

Additional Competencies — Threat Modeling, Incident Response, Compliance (SOC 2, GDPR, HIPAA), Cryptography, Secure SDLC, Risk Assessment, Vulnerability Management, Security Architecture, Zero Trust Implementation

Selected Projects

- **SafeStream** — Parent-controlled streaming platform with content curation, time controls, and QR login (React, Node.js)
- **Cyberany** — Cybersecurity education platform with hands-on labs, CTF competitions, and training (Cybersecurity, Labs, Education)
- **FortMind** — GCC-focused cybersecurity training and services company delivering hands-on training, red/blue team services, and compliance consulting
- **Sanad** — Concierge platform connecting the Sudanese diaspora with a vetted local team for government, property, and family services
- **Rasen Horse** — Equestrian platform connecting horse owners with vets, farriers, and trainers, plus an equine marketplace (React Native, Flutter, Java Spring Boot)