ADNAN MARDINI

Cybersecurity Engineer | Security Operations | Penetration Testing
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PROFESSIONAL SUMMARY

Cybersecurity Engineer with hands-on experience in **security operations, security engineering, penetration testing, vulnerability management, incident response, and enterprise infrastructure security**. Experienced in building **SIEM-integrated detection pipelines, securing REST APIs, and automating security workflows** using **Python, FastAPI, Docker, Splunk, Wazuh, Suricata, and Zeek**. Passionate about building secure, scalable solutions that strengthen organizational security, improve threat detection, and reduce risk.

PROFESSIONAL EXPERIENCE

Cybersecurity Engineer — **May 2026 – Present**
Expadox Labs — *Lagos, Nigeria*

- Designed and secured **5+ FastAPI REST API endpoints** using JWT authentication, RBAC, authorization, rate limiting, and audit logging to strengthen application security.
- Engineered an AI-powered threat detection pipeline using **27 engineered network traffic features** and XGBoost to detect attack categories including C2 beaconing, brute-force attacks, and data exfiltration.
- Developed **15+ security architecture artifacts**, including STRIDE threat models, data flow diagrams, and Architecture Decision Records (ADRs), promoting secure coding and secure-by-design development.
- Integrated Zeek, Suricata, PostgreSQL, MLflow, and Docker to build scalable detection engineering pipelines, improve security automation, and reduce deployment setup time by **60%**.

IT Infrastructure & CyberSecurity — **Mar 2026 – Present**
Fidson Healthcare Plc — *Lagos, Nigeria*

- Administer Windows Server, Active Directory, and Identity & Access Management (IAM) services for 100+ users, managing access provisioning, Group Policy, authentication, and authorization.
- Deploy and maintain enterprise security platforms including Wazuh SIEM and Zabbix, improving security monitoring, infrastructure security, and operational visibility.
- Support enterprise network operations, virtualization, Windows Server administration, and deployment of 4+ enterprise IT and security solutions, strengthening network security and business continuity.

Cybersecurity Lead — **Oct 2025 – Present**
Inventors Community — *Ogun State, Nigeria*

- Monitor and triage **100+ weekly security events** using Splunk SIEM, identifying high-priority threats and supporting incident response activities.
- Investigate **25+ security incidents**, including phishing, brute-force attacks, and endpoint anomalies through structured analysis and security monitoring.
- Conduct vulnerability assessments and **risk assessments** across **5+ engagements**, supporting remediation of approximately **80%** of high-risk findings.
- Perform web application penetration testing using Burp Suite, SQLMap, and Metasploit to validate SQL injection, XSS, broken access control, and authentication vulnerabilities.

IT Support — **Nov 2022 – Sep 2023**
Fidson Healthcare Plc — *Lagos, Nigeria*

- Resolved **20+ daily help desk requests**, maintaining **92% user satisfaction** while reducing operational downtime.
- Installed and maintained Windows workstations, enterprise software, printers, and network devices while supporting enterprise infrastructure operations.

EDUCATION

Bachelor of Technology, Computer Science — *Nov 2023 – 2027*
Bells University of Technology — *Ogun State, Nigeria*
Grade: First Class Honours | Dean's List (2023–2024)

Ordinary National Diploma (OND), Computer Science — *Oct 2020 – Sep 2022*
Allover Central Polytechnic — *Ogun State, Nigeria*
GPA: 3.74/4.0 | Distinction

PROJECTS

SecOpsAI

AI-Powered Threat Detection Platform

Python • FastAPI • XGBoost • PostgreSQL • Zeek • Suricata • MLflow

View GitHub | Documentation

- Engineered an AI-powered threat detection platform using 27 engineered network traffic features to identify multiple cyberattack categories.
- Secured 5+ REST API endpoints with JWT authentication, RBAC, audit logging, and rate limiting while integrating Zeek and Suricata telemetry.

ShieldFlow

DevSecOps Security Automation Platform

GitHub Actions • Docker • Semgrep • Gitleaks • Trivy • OWASP ZAP • Python

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- Built a secure CI/CD pipeline integrating 5+ automated security controls, including SAST, DAST, dependency scanning, secret scanning, and container security.
- Automated security testing using GitHub Actions, Semgrep, Gitleaks, Trivy, and OWASP ZAP to strengthen the Secure SDLC.

CORE SKILLS

• Detection Engineering & Security Research: Detection Engineering, Vulnerability Research (CVEs & Security Advisories), Threat Detection, Detection Logic, Technology Fingerprinting, Threat Modeling (STRIDE), Secure SDLC.

• Web & Application Security: Vulnerability Assessment, Web Application Security Testing, HTTP/HTTPS, OWASP Top 10.

• Programming & Automation: Python, FastAPI, Security Automation, REST APIs, API Development, Scripting, JSON.

• Infrastructure & Network Security: Linux, Windows Server, Active Directory, Networking, DNS, TLS/SSL.

• Security Platforms & Tools: Wazuh, Splunk, Zeek, Suricata, Docker, GitHub Actions, Semgrep, Trivy, AWS CloudTrail, Git.

CERTIFICATIONS

Google Cybersecurity Professional Certificate (Verify here) | Security Analyst Level 1 (SAL1) – TryHackMe (Verify here) | Security Engineer – TryHackMe (Verify here) | Jr Penetration Tester – TryHackMe (Verify here) | Ethical Hacking – Udacity (Verify here)

HONORS & AWARDS

- 1st Place, Hult Prize On-Campus Competition — Hult Prize Foundation (Jan 2024): developed a scalable business solution addressing a global challenge, demonstrating entrepreneurial mindset, problem-solving, and teamwork.