

Mathew Ayokunle Alabi

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PROFILE

- Results-driven Security Engineer with 3+ years of experience in penetration testing, vulnerability management, and risk assessment.
- Expert in vulnerability exploitation across web and mobile applications.
- Created Capture The Flag challenges for the 2023 Africa CyberFest.
- Passionate about advancing security through penetration testing, threat analysis, engineering, and research.

SKILLS & INTERESTS

- **Technical Skills:** Python, C, Bash, Assembly, BurpSuite, Metasploit, Wireshark, Sqlmap, Linux, Docker, Nessus, Git, Web Application Security, Network Penetration Testing, Digital Forensics, OSINT, Report Writing
- **Interests:** Security Engineering, Application Security Testing, Code Review, Threat Modelling, Reverse Engineering, and Security Research.

CERTIFICATIONS

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|--------------------------------------|------------------|
| OffSec Certified Professional (OSCP) | <i>Apr. 2025</i> |
| Certified AppSec Practitioner (CAP) | <i>Jan. 2024</i> |
| CompTIA Security+ | <i>Dec. 2020</i> |

RELEVANT EXPERIENCE

Digital Jewels Limited *Feb. 2023 – Oct. 2024*

Security Consultant, Remote

- Identified over 50 critical-to-high-rated vulnerabilities by conducting comprehensive penetration tests on client web and mobile applications, resulting in a significantly reduced attack surface.
- Executed comprehensive red-team attack simulations across external and internal client network infrastructures, systematically probing and revealing critical security vulnerabilities.
- Maintained persistent network access to demonstrate sophisticated attack chains that threat actors could use.

DreamLab Technologies

Jun. 2023 – Dec. 2024

Penetration Tester, Remote

- Mapped and exposed critical vulnerabilities through systematic security testing, considerably reducing client attack surfaces.
- Managed the end-to-end vulnerability lifecycle by performing retests and collaborating with development teams on application hardening, leading to the successful remediation of all high-priority findings.
- Authored detailed and actionable security reports for clients, including clear remediation steps and risk assessments, which improved their overall security posture.

Independent

Nov. 2021 – Present

Freelance Contractor and Security Researcher, Remote

- Discovered and responsibly disclosed numerous high-impact vulnerabilities in web and mobile applications through bug bounty programs (VDPs), including server misconfigurations that exposed proprietary files and leaked API keys.
- Qualified for the second round of the *Bugcrowd Hackercup 2023*, a global competition for top security researchers, demonstrating a high level of expertise in vulnerability discovery under pressure.

EDUCATION

Obafemi Awolowo University, Ile-Ife, Osun State

July. 2025

B.Sc., Computer Science with Mathematics

PROJECTS & AWARDS

- Team member of MaxHedRum, a global hacker team ranked in top international Capture The Flag (CTF) competitions.
- Created CTF challenges for the 2023 Africa CyberFest.
- Cybersecurity Lead of the Google Developer Groups O.A.U chapter.
- Volunteer at Cybersafe Foundation, using Open Source Intelligence to identify, investigate and report potential fraudulent schemes.

PUBLICATIONS

Egbuna, I., Olayinka, H., Tijani, A., Aliyu, S., Felix, A., Elijah, O., Alabi, M. (2025). **Training Time Vulnerabilities in Large Language Models: Data Poisoning and Backdoor Attacks**. *International Journal of Future Engineering Innovations*, 02(03), 60 – 68.
<https://doi.org/10.54660/IJFEI.2025.2.3.60-68>