

# Mathew Ayokunle Alabi

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## PROFILE

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- 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

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- **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

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**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

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### **Obafemi Awolowo University, Ile-Ife, Osun State**

*July. 2025*

*B.Sc., Computer Science with Mathematics*

## PROJECTS & AWARDS

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- 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

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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>