

Olakojo Olaoluwa

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SUMMARY

Security researcher/penetration tester with extensive networking, scripting, linux administration, active directory and cloud experience. Familiarity with security frameworks including OWASP Top 10, Microsoft SDL, MITRE ATT&CK Framework and SANS Top 25. Knowledgeable on defensive security concepts including SIEM and threat hunting. Actively pursuing the **OSCP** certification to further validate proficiency and skill set.

EXPERIENCE

TechPeak Lab

Security Specialist

Remote, Nigeria
February 2024 - Present

- Conducted comprehensive web application security assessments focusing on common vulnerabilities such as SQL injection, XSS, CSRF, and IDOR, using tools like Burp Suite, OWASP ZAP, and Nessus.
- Specialized in API security testing for RESTful and GraphQL APIs, identifying misconfigurations, insecure data exposure, and access control issues using Postman, FFuF, and custom scripts to ensure robust API security measures.
- Collaborated directly with clients to understand their security needs, tailoring security assessments and remediation plans to align with their specific business objectives and compliance requirements (e.g., GDPR, PCI-DSS, ISO 27001).
- Provided security recommendations based on OWASP Top 10 and SANS Top 25 vulnerabilities, ensuring adherence to best practices in secure software development across the SDLC for web applications and APIs.
- Performed continuous security monitoring of client environments, integrating SIEM tools (e.g., Splunk, Wazuh, Suricata) to detect and respond to security incidents, including unauthorized access attempts on APIs and web platforms.
- Developed and enforced secure API gateway policies and authentication mechanisms, such as OAuth2, JWT, and API key management, ensuring secure client-server communication and access control.
- Maintained and deployed Web Application Firewalls (WAF) and API gateways, ensuring protection from attacks like DDoS, Botnet attacks, and API-specific threats such as GraphQL injections or excessive data exposure
- Applied SAST and DAST tools (e.g., SonarQube, Veracode) to perform static and dynamic analysis of web applications, identifying vulnerabilities in both code and runtime environments, and ensuring that security is integrated throughout the development lifecycle.

WTCN Solutions

Network Penetration Tester

Hybrid, Nigeria
February 2022 – August 2023

- Utilized tools like Nmap, LDAP enumeration tools (such as ADEplorer, LDAPSearch), or PowerShell scripts (Powersploit) to gather information about the Active Directory environment, including domain controllers, user accounts, group memberships, etc.
- Perform password spraying or brute-force attacks against user accounts to identify weak passwords.
- Attempts to escalate privileges by exploiting vulnerabilities like Kerberos attacks (Golden Ticket, Silver Ticket), pass-the-hash attacks and ACL exploits.
- Pivoting through the network by exploiting trust relationships, weakly secured services and compromised credentials.
- Attempts to exfiltrate sensitive data from the network to assess the effectiveness of data loss prevention (DLP) controls.
- Conducted thorough security assessments of web applications, identifying vulnerabilities and weaknesses.
- Participated in client penetration tests, utilizing tools such as Burp Suite, OWASP ZAP, and Nessus to identify and remediate security vulnerabilities.
- Played a key role in the creation of Capture The Flag (CTF) labs (Boot2root) whereby utilizing platforms like Hack The Box and TryHackMe to provide hands-on training environments for cybersecurity enthusiasts alongside.
- Collaborated in setting up VMware, UTM and VirtualBox virtualization labs, configuring comprehensive home lab environments with Active Directory, Kali Linux, pfSense, and Snort.
- Led training sessions for internal teams, improving overall awareness of emerging cybersecurity threats and best practices.
- Documented all findings, including vulnerabilities, exploited paths, and recommendations for remediation whereby providing evidence such as screenshots, log excerpts, and command outputs to support my findings.

SenseLearner Pvt Limited

Web Application Penetration Tester

Remote, India
August 2021 - November 2021










- Gathered information about the target web application using tools like Whois, DNSDumpster, Recon-ng etc.
- Identified subdomains, IP addresses, server information, and any publicly available information about **SenseLearner's** application and its infrastructure.
- Used automated scanning tools like Burp Suite, OWASP ZAP, Nessus and Nikto to map out the web application attack surface.

- Perform manual and automated vulnerability assessments to identify common security issues such as SQL injection, cross-site scripting (XSS), CSRF, SSRF, IDOR, RCE and LFI.
- Also tested for data leakage, insecure file uploads, or other avenues for unauthorized access or manipulation.
- Worked with the development team and system administrators to validate the effectiveness of remediation efforts.
- Recommended implementing continuous security monitoring solutions to detect and respond to new vulnerabilities or security incidents e.g snort, wazuh and suricata.
- Generated detailed reports outlining findings, recommendations, and remediation steps, specifying CWE catalog and CVSS for each finding.

SKILLS

- **Secure Software Development Framework(SSDF):** OWASP Top 10, SANS Top 25, Microsoft SDL, MITRE ATT&CK Framework.
- **Identity Provider:** Active directory.
- **Scripting Languages:** Bash, Python, Powershell.
- **Networking Protocols:** OSI Model, TCP/IP, FTP, SMB, SSH, VoIP, Telnet, Web.
- **Encryption:** Symmetric, Asymmetric, OpenSSL.
- **Endpoint Monitoring:** Snort, Wazuh, Suricata.
- **SDLC Security Practices:** Threat Modeling, SAST, DAST, SCA, OSSTMM, PTES.
- **Operating Systems:** Linux(Debian, Kali, Ubuntu, ParrotSec), Microsoft Windows 10/11, Windows Server 2019/2022.
- **Security Tools:** Nessus, Metasploit, Powersploit, Hydra, Hashcat, PingCastle, Havoc, Bloodhound, Burp Suite, Impacket, Mimikatz, Nmap, FFuF, SysInternals, Ligolo-ng, Lazagne.
- **Container:** Docker Security, Vagrant.
- **Hypervisors:** VM Ware, Virtual Box, Qemu.
- **Networking:** Wireshark, TCPdump, VLANs, Routing, Switching, proxies, Tcp/Ip, OSI Model.
- **Database Management Systems:** SQLite, PostgreSQL, MongoDB, Redis.
- **Reporting:** MS Word, PDFTeX, Sysreptor, Libre Office.
- **Microsoft Office Suite:** Word, Excel, PowerPoint, Outlook.
- **Communication:** Fluent in English (UK).

ACHIEVEMENTS & CERTIFICATIONS

2024	CVE-2024-44871 , Authenticated Remote Code Execution(RCE)		MITRE-Corp
2024	CVE-2024-44872 , Reflected Cross Site Scripting(XSS)		MITRE-Corp
2024	Prolabs:		
	– Dante , Penetration Tester Level II lab		Hackthebox.com
	– Zephyr , Red Team Operator Level I		Hackthebox.com
2024	CPTS , Certified Penetration Testing Specialist		Hackthebox.com
2024	CRTP , Certified Red Team Professional		AlteredSecurity.com
2024	OffSec , Offensive Pentester Path		Tryhackme.com
2024	Jr Pentester , Junior Penetration Tester Path		Tryhackme.com
2023	PEH , Practical Junior Penetration Tester		Academy.tcm-sec.com

EDUCATION

Air Force Secondary School , Lagos, Nigeria	Enrolled: February 2018 — Finished: September 2022
High-School Art	Threads: literature, visual arts, music.
National Open University , Nigeria	Enrolled: January 2024 — Expected: January 2027
BSc Criminology	Threads: Criminal Behavior Analysis
Team 5h4d0wbr0k3r5 — Hackthebox	Remote, India
CTF <i>Player</i>	December 2023 – Ongoing

- Actively engage in penetration testing activities on the HTB platform, practicing machines to exploit the latest CVEs and enhance my skills,
- Completed various challenges and achieved a ranking of **pro-hacker** on the HTB platform.
- Collaborated closely with team members to develop exploits for the latest CVEs (Common Vulnerabilities and Exposures) and tools aimed at simplifying Capture The Flag (CTF) challenges for all team members.
- 🌱 HTB-Profile -: 5h4d0wbr0k3r5