Daniel Wambua

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Cybersecurity researcher and ethical hacker with a passion for breaking things to make them stronger. Currently pursuing Information Technology while actively participating in CTFs, hackathons, and security research. Specialized in penetration testing, vulnerability assessment, and security architecture. Driven by curiosity, continuous learning, and the mission to make cyberspace safer for everyone.

Experience

Karatina University

INFORMATION TECHNOLOGY STUDENT & INNOVATION CLUB MEMBER   *August 2023 – Present*
- Pursuing BSc Information Technology with cybersecurity focus
- Active member of university innovation club
- Organizing CTF competitions for students
- Participating in cybersecurity workshops and training

Serianu Limited

CYBERSECURITY INTERN   *June 2024 – August 2024*
- Hands-on experience in vulnerability assessments
- Assisted in penetration testing for client organizations
- Contributed to incident response procedures
- Learned enterprise security tools and frameworks

KCB Bank Group

JUNIOR SOFTWARE DEVELOPER (PART-TIME)   *November 2023 – May 2024*
- Implemented security controls and secure coding practices
- Assisted in code reviews and security testing
- Worked on mobile banking security enhancements

Education

Karatina University

BSC IN INFORMATION TECHNOLOGY (CYBERSECURITY FOCUS) — GRADE: *2023 – 2027*
IN PROGRESS

I-Tech Computer College

CERTIFICATE IN COMPUTER FUNDAMENTALS & SECURITY OPERATIONS   *August 2022 – January 2023*
— GRADE: GRADUATED TOP OF CLASS (DISTINCTION)

Kitonyoni Secondary School

CERTIFICATE IN HIGHSCHOOL — GRADE: GRADUATED WITH MERIT   *January 2019 – November 2021*

Skills

Penetration Testing
Web Application Testing, Network Penetration Testing, API Security Testing, Mobile Application Security

Security Tools
Burp Suite Professional, Metasploit Framework, Nmap/Nessus, OWASP ZAP, Wireshark

Programming & Scripting
Python (Security Automation), Bash/PowerShell Scripting, JavaScript (Web Security), Go (Tool Development)

Cloud Security
AWS Security Services, Kubernetes Security, Container Security, IAM & Access Management

Cryptography & Forensics
Digital Forensics, Malware Analysis, Reverse Engineering, Cryptographic Protocols

Stats

- **Top 10 Ethical Hackers** - CyberGame Kenya 2025 🔗
- **3rd Place** - Kenya National Cybersecurity Hackathon 2024 🔗

Awards

- **CyberGame Kenya - Top 10 Ethical Hacker (2025)** - Recognized among Kenya's top young cybersecurity talents for outstanding performance in national hacking competition 🔗

Projects

- **TypingMaster Pro** - Typing speed test app with real book content   GitHub
- **DataPulse Command Center** - Real-time dashboard with FastAPI backend   GitHub
- **CTF Writeups & Security Blog** - Technical blog with CTF solutions and security research   GitHub