

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

51l3nt_br34ch

MEMBER OF THE 51L3NT_BR34CH CTF TEAM

July 2025 – Present

- collaborated with the team and solved ctf challenges and participated in bug bounties.
- contributed to open-source security tools
- Conducted security audits for web applications and networks
- Developed the team's website and managed online presence

Karatina University

INFORMATION TECHNOLOGY STUDENT & INNOVATION CLUB MEMBER

August 2023 – Present

- Pursuing BSc Information Technology with cybersecurity focus
- Active member of university innovation club
- Organized CTF competitions for students
- Participating in cybersecurity workshops and training

Freelance

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: IN 2023 – 2027
PROGRESS

I-Tech Computer College

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

Skills

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

Security Tools Burp Suite Professional, Metasploit Framework, Nmap, Wireshark

Programming & Scripting Python, Bash, JavaScript, Go

Cloud AWS, Kubernetes, Docker, Vercel, Netlify

CI/CD Argo CD, GitHub Actions

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

- **MacOS_Portfolio** - A macOS-inspired React portfolio app .
- **DataPulse Command Center** - Real-time dashboard with FastAPI backend
- **CTF Writeups & Security Blog** - Technical blog with CTF solutions and security research

