

# 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

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### 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

### 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

## 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

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### 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

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<b>Penetration Testing</b>	Web Application Testing, Network Penetration Testing, API Security Testing, Mobile Application Security
<b>Security Tools</b>	Burp Suite Professional, Metasploit Framework, Nmap/Nessus, OWASP ZAP, Wireshark
<b>Programming &amp; Scripting</b>	Python (Security Automation), Bash/PowerShell Scripting, JavaScript (Web Security), Go (Tool Development)
<b>Cloud Security</b>	AWS Security Services, Kubernetes Security, Container Security, IAM & Access Management
<b>Cryptography &amp; Forensics</b>	Digital Forensics, Malware Analysis, Reverse Engineering, Cryptographic Protocols

## Stats

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




## Awards

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

## Projects

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