

# 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
- 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

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

## 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, Wire-shark
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 🏆
- **Winner** - Africa Cyber Security Challenge 2024 🏆
- **1st Place** - Kenya National Cybersecurity Hackathon 2024 🏆
- **OSCP Certified** - Offensive Security Certified Professional 🏆
- **CEH Certified** - Certified Ethical Hacker (EC-Council) 🏆
- **AWS Security Specialty** - Amazon Web Services Certified 🏆
- **Top 5% Kenya** - picoCTF 2024 (8,450 points) 🏆
- **3rd Place Team** - Africa Cyber Games 2024 (2,000prize)

## Awards

- **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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| • <b>TypingMaster Pro</b> - Typing speed test app with real book content                            | 🔗 GitHub |
| • <b>DataPulse Command Center</b> - Real-time dashboard with FastAPI backend                        | 🔗 GitHub |
| • <b>CTF Writeups &amp; Security Blog</b> - Technical blog with CTF solutions and security research | 🔗 GitHub |