

# Lucas Mwangi Gitiriku

Software Engineer & Cybersecurity Specialist

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## About Me

Hello! I'm Lucas Mwangi Gitiriku, a passionate Software Engineer and Cybersecurity Specialist with a BSc in Software Engineering from Kirinyaga University. I blend coding expertise with cybersecurity principles to build robust, scalable, and secure systems.

## Projects & Contributions

- WinnasAcademy APIs

A suite of secure, high-performance APIs powering WinnasAcademy's e-learning platform.

Tech Stack: Python (Django/FastAPI), JWT Auth, PostgreSQL, AWS. Features: Role-based access, rate-limiting, encrypted payloads. GitHub: [Link to Repo]

- Cybersecurity Tools & Scripts

PenTest Automation: Custom Python scripts for vulnerability scanning.

Network Security: Firewall rules, intrusion detection (Snort). GitHub: [Link to Repo]

- Open-Source Contributions

Contributed to OWASP projects (e.g., ZAP, Security Checklists).

Authored guides on API security best practices.

## Cybersecurity Focus

- Certifications: CEH, OSCP

- Research Interests: API Security (OAuth2.0, Zero-Trust). Threat Modeling & Risk Assessment. Secure SDLC Implementation.

## Education

BSc Software Engineering – Kirinyaga University

Thesis: "Secure API Development for EdTech Platforms"

## Skills

Development	Cybersecurity	Tools
Python, Java	Penetration Testing	Burp Suite, Metasploit
Django, FastAPI	Vulnerability Analysis	Wireshark, Nmap
RESTful APIs	Cryptography	Git, Docker
AWS/Azure	Incident Response	Kali Linux

## Let's Connect

GitHub: <https://github.com/SoftwareFixingSoftware>

## Quote

"Building code is art; securing it is duty."