

## Lansmith Mutugi Murithi

Backend Developer | Network Engineer | Cybersecurity Enthusiast

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#): <https://lansmithmurithi.github.io/portfolio/>

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## Professional Summary

Dynamic and versatile Backend Developer and Network Engineer with strong expertise in Python, Flask, PHP, and REST API development. Founder and CEO of Bosmi.org, a Kirinyaga-based tech company specializing in network infrastructure, systems development, and client consultations. Experienced in designing scalable backends, performing in-depth network troubleshooting, and consulting on enterprise-grade network architectures. Cybersecurity-aware with badges from TryHackMe and a solid understanding of system hardening and secure development practices.

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## Core Skills

**Backend Development:** Python, Flask, PHP, REST APIs

**Databases:** MySQL (strong foundation), PostgreSQL (proficient)

**Networking:** MikroTik (expert), Huawei (basic), Cisco (basic), Network Architecture, Troubleshooting, Installations

**Cybersecurity Tools:** Wireshark, BurpSuite, TryHackMe (badge earner), Linux hardening

**Dev Tools & Environment:** Linux (daily driver), VPS Hosting, Git, Nginx

**Web Development:** HTML, CSS, JavaScript (basic proficiency), Bootstrap

**Cloud & Hosting:** VPS setup, Linux server management, Domain & DNS configuration

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## Experience

### Founder & CEO – Bosmi.org

*Kirinyaga, Kenya / 2022 – Present*

- Built and deployed ISP billing and hotspot systems for 10+ clients across Kenya.
- Designed and implemented secure and efficient network infrastructures using MikroTik routers.
- Consulted on and deployed client-specific networking solutions (firewalls, VPNs, VLANs).
- Delivered full-stack solutions for internal tools and client systems.
- Developed and maintained:
  - [Hotspot Portal](#)
  - [Payment Gateway](#)

## **Freelance Backend Developer & Network Consultant**

*Remote / 2021 – Present*

- Developed secure Flask/PHP-based backend systems for businesses.
  - Implemented RESTful APIs with token-based authentication.
  - Handled MySQL schema design, optimization, and deployment.
  - Provided consultation for network troubleshooting and VPN setups.
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## **Projects**

### **OrbitTasks – Flask-Based To-Do App**

- Flask backend with MySQL and MongoDB support.
- Secure login system with JWT tokens.
- Responsive front-end for managing tasks across devices.

### **ISP Billing & Hotspot Manager – Django & MikroTik API**

- Developed a backend to manage hotspot users, PPPoE, and bandwidth control.
  - Integrated with M-Pesa STK Push and PayPal for optional payments.
  - Real-time monitoring and session tracking for ISPs.
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## **Education**

### **B.Sc. in Computer Science**

*Kirinyaga University / 2021 – 2025*

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## **Certifications & Achievements**

- TryHackMe Cybersecurity Badges (Pentesting Labs, Linux Fundamentals)
  - MikroTik Network Fundamentals (Unofficial – Hands-on experience)
  - Hosted over 10 fully functional client systems at bosmi.org
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## **References**

Available on request.