

FRANCISCO AMANJA

Electrical & Computer Engineer · IT Support & Cybersecurity · Founder, KnightSec
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PROFESSIONAL PROFILE

BTech graduate in Electronics & Computer Engineering, transitioning into a full offensive security career from a strong IT and networking foundation. Founder of KnightSec (knightsecglobal.com) — a cybersecurity and tech-services venture serving Kenyan SMEs, SACCOs, and healthcare organisations. Certified in cybersecurity analysis (CJCA), actively pursuing CPTS, and building a public proof-of-work portfolio of HTB writeups and CVE research. I deliver hands-on technical support, configure enterprise networks, automate workflows with Python and Bash, and perform penetration testing lab work daily.

CORE SKILLS

CCNA-level
Networking

Windows & Linux
Admin

Penetration Testing

Python / Bash
Automation

Vulnerability Analysis

PHP · SQL

Jira · Freshdesk

Remote Support Tools

EXPERIENCE

Founder & Lead Consultant · [KnightSec \(knightsecglobal.com\)](https://knightsecglobal.com) Jan 2025 – Present | Nairobi, Kenya

- ▶ Founded KnightSec, a cybersecurity and tech-services venture offering pentest readiness assessments, network setup, CCTV installation, and managed IT support to Kenyan SMEs, SACCOs, and hospitals.
- ▶ Designed a full-stack platform (Next.js + Tailwind CSS) with integrated AI chatbot (Claude API), live CVE threat feed, client portal (reports, invoices, progress tracking), and M-Pesa / PayPal payment flows.
- ▶ Publishing HTB writeups, CVE breakdowns, and original PoC research at knightsecglobal.com to build a permanent, searchable proof-of-work portfolio for global remote roles.
- ▶ Pursuing CPTS certification (target Dec 2026) with structured daily lab practice on Hack The Box and OSCP (PWK) environments alongside active CTF participation.

Freelance IT Support Specialist · [Self-Employed](#) May 2024 – Present | Remote

- ▶ Delivered remote technical support (TeamViewer, AnyDesk, Ultraviewer, Google Meet) resolving hardware, software, and network connectivity issues for clients across multiple time zones.
- ▶ Configured and hardened Windows and Linux systems; assisted small businesses with network setup (TCP/IP, wireless, structured cabling), reducing average ticket resolution time.
- ▶ Managed client requests through Zendesk, Jira, and Freshdesk with documented resolution playbooks for SLA compliance and repeatability.
- ▶ Authored Python and Bash automation scripts for diagnostics, log collection, and routine maintenance — directly reducing manual workload per engagement.

Computer Engineer Intern · [Fireside Group Ltd](#) May 2024 – Sep 2024 | Nairobi, Kenya (On-site)

- ▶ Assisted in configuring and maintaining enterprise network infrastructure (TCP/IP, structured cabling) across telecoms and IT projects.
- ▶ Monitored and reported network security events under supervision; followed company best practices for secure operations in an enterprise environment.
- ▶ Provided technical support to staff, troubleshooting Linux and Windows systems and building a documented resolution knowledge base.

Computer Engineer Intern · [Maua Methodist Hospital](#) May 2023 – Sep 2023 | Maua, Kenya (On-site)

- ▶ Maintained and troubleshooted medical devices and electronic equipment in a high-availability clinical environment with zero tolerance for downtime.
- ▶ Provided technical support to clinical and administrative staff, resolving Windows, hardware, and software issues under time-critical conditions.
- ▶ Performed hardware diagnostics, repair, and routine preventive maintenance across the hospital's IT estate.
- ▶ Assisted with network connectivity troubleshooting, patch management, and cable management for basic infrastructure support.

PROJECTS & RESEARCH

KnightSec Platform · knightsecglobal.com

- ▶ Full-stack cybersecurity and tech-services platform (Next.js, Tailwind, MDX) with AI chatbot (Claude API), live CVE ticker (NVD API), client portal, pentest gear shop, and M-Pesa/PayPal payments.
- ▶ Content engine publishing HTB writeups, CVE breakdowns, and PoC research — targeting 80+ published pieces by Dec 2026 to support remote job applications.

HTB Writeups & CVE Research · Ongoing

- ▶ Publishing detailed walkthroughs of retired Hack The Box machines (Active Directory chains, web exploitation, privilege escalation, binary exploitation) and CVE technical breakdowns with CVSS scoring and mitigation guidance.

Python & Bash Automation Scripts

- ▶ Built diagnostic automation tools for log collection, system health checks, and network reconnaissance — applied directly in client support engagements.

EDUCATION

BTech, Electronics & Computer Engineering · [Kirinyaga University](https://www.kirinyaga.ac.ke) Sep 2020 – Apr 2024 | Kenya

- ▶ Foundation in digital systems, embedded systems, computer networks, and signal processing — directly applicable to IoT, OT/ICS, and hardware security roles.

CERTIFICATIONS & TRAINING

- ▶ CJCA — Certified Junior Cybersecurity Analyst ✓ Achieved
- ▶ CPTS — Certified Penetration Testing Specialist (OSCP-equivalent) · In Progress · Target: Dec 2026
- ▶ The Cybersecurity Threat Landscape — Completed
- ▶ TryHackMe — Ongoing lab practice (networking, web exploitation, privilege escalation, AD attacks)
- ▶ Hack The Box — Active participant; machine writeups published at knightsecglobal.com

OPEN TO

Junior Penetration Tester · Security Analyst (SOC) · Technical Support · Help Desk · Network Operations · System Administration · IoT / OT Security · Remote roles globally

References available on request · Portfolio & research: knightsecglobal.com