

Benard Odera

Software Engineer

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 3+ years building automation, AI-powered products, and secure networked systems. Delivered automation that saved 160+ person-hours/month and reduced support backlog by ~40%. Skilled at translating product needs into maintainable systems using Python, cloud-native tooling, and pragmatic infrastructure.

PROFESSIONAL EXPERIENCE

Automation Engineer (Contract) — CTC, Inc. · Oct 2025 – Dec 2025

- Designed and deployed browser-automation to replace repetitive web tasks; automated ~75% of workflows, increasing throughput up to 4x.
- Saved an estimated 160 person-hours/month by replacing manual processes with robust, logged automation and retry logic.
- Implemented monitoring/alerting that reduced task failure rates and improved operational reliability.

Network Architect & Technician — KIMSU Specialist Hospital (Part-time) · Jan 2025 – Nov 2025

- Designed and deployed a secure LAN for a Level 3 hospital (150+ endpoints) with VLAN segmentation and access controls.
- Led vulnerability testing and remediations that cut critical/high findings by ~70%, raising baseline security posture.
- Delivered runbooks and deployment templates reduced new-site setup time by ~50%.

Junior Software Developer & Assistant Network Administrator — Gigabit Connections Ltd · Jan 2024 – Present

- Owned network monitoring and maintenance for ~100+ endpoints and critical services; improved incident handling.
- Built automation scripts that cut recurring manual tasks and support backlog by ~40% and reduced MTTR by ~35%.
- Implemented deployment/config templates that sped new-site setup by ~30% and reduce configuration errors.

EDUCATION

Bachelor of Science, Computer Information Systems — Kenya Methodist University, Oct 2024

SELECTED PROJECTS

- **Aura Seek** — Founder & Lead Engineer: AI-powered career automation (Flask, React, Groq, Gemini). Reduced application prep time by ~70%.
- **Face Recognition Attendance System** — Lead Developer: Real-time OpenCV/dlib system with RBAC and Dockerized deployment; replaced manual attendance with auditable automation.
- **Uwezo AI** — Product Architect & ML Lead: Alternative credit scoring for informal workers: logistic regression, image verification, USSD/mobile workflows.

CORE COMPETENCIES & SKILLS

- **Technical:** Python, Java, C++, OpenCV, scikit-learn, Fast API, Flask, React
- **DevOps & Infra:** Docker, basic Kubernetes, GitHub Actions, Linux admin, CI/CD
- **Networking & Security:** LAN/WAN design, VLAN, Cisco device config, vulnerability assessment
- **Data & Tools:** MySQL, PostgreSQL, MongoDB, REST APIs, pytest, Grafana/Prometheus concepts
- **Languages:** English, Swahili, German (intermediate)

ADDITIONAL

- **Certificates:** Google Generative AI (Dec 2023); NDG Linux Essentials; Cisco Intro to Cybersecurity.
- **Endurance sports:** marathon runner & cyclist.

References available on request.