

CLINTON KIPLAGAT

ICT Software & AI Developer

📍 Nairobi / Eldoret, Kenya | 📞 +254 715 329 007 | ✉️ sungurclinton@gmail.com | 🔗 linkedin.com/in/gilly-clinton

PROFESSIONAL SUMMARY

Results-driven ICT Software & AI Developer with hands-on experience building intelligent, full-stack systems tailored to African markets. Skilled in integrating AI/ML models, payment APIs (M-Pesa Daraja), and cloud-native architectures into production-grade platforms. Proven ability to design systems end-to-end — from Next.js frontends to FastAPI/Node.js backends and PostgreSQL databases — with a strong focus on solving real-world problems through technology. Active builder, community educator, and award-winning competitor (2nd Place, AI League — PARC 2025).

CORE COMPETENCIES

AI & ML: LLM integration (Anthropic Claude, Gemini AI), AI-powered APIs, predictive analytics, facial recognition systems, geospatial intelligence

Frontend: React, Next.js, Tailwind CSS, MUI, Angular, HTML5, CSS3, JavaScript (ES6+)

Backend: Node.js, Python, FastAPI, PHP, Java, REST API design, WebSockets

Databases: PostgreSQL (NeonDB), MySQL, MongoDB, Prisma ORM

Cloud & DevOps: AWS, Azure, Google Cloud, Vercel, GitHub Actions

Integrations: M-Pesa Daraja API, WhatsApp Cloud API, Africa's Talking SMS, Paystack, Clerk Auth

Networking & Security: CCNA, CyberOps (Cisco), OWASP Top 10, JWT/RBAC, threat analysis

Methodologies: Agile, UI/UX principles, system architecture, technical documentation

EXPERIENCE

Founder & Lead ICT/AI Developer | Xuremi Technologies

Jan 2023 – Present

- ▶ Built Xuremi Pay — a WhatsApp + M-Pesa payment platform using Daraja API, WhatsApp Cloud API, and NeonDB, enabling B2C transactions with a per-transaction monetization model.
- ▶ Designed and deployed a SACCO Management System for Hillview Gymnyigei SACCO (~50 members) with Africa's Talking SMS integration, navigating Sender ID registration with Safaricom and Airtel and resolving live production issues.
- ▶ Architected KISIS (Kenya Integrated Security Intelligence System) — a national-scale AI security platform concept combining facial recognition, predictive crime analytics, and forensic DNA intelligence, with a full 36-month technical roadmap and KSh 231.5M budget framework.
- ▶ Led development of Miner AI — a geospatial intelligence platform using AI and satellite imagery for real-time environmental monitoring and actionable alerts, winning 2nd Place and Best Live Demo at PARC 2025 AI League.
- ▶ Built a production AI Job Application Tracker (Next.js, NeonDB, Anthropic API) with an AI Writer feature deployed on Vercel.
- ▶ Developed a cybersecurity & OSINT toolkit: Python port scanner, React OSINT dashboard with DNS lookup, WHOIS, IP geolocation, and email header analysis.

Enumerator | Ministry of Labour & Social Protection — Workforce Development Centre

Oct 2024 – Nov 2024

- ▶ Conducted nationwide data collection for labour and social protection programs, ensuring accuracy and confidentiality of sensitive data.
- ▶ Collaborated with multi-disciplinary teams to optimize fieldwork processes and meet strict project deadlines.

KEY PROJECTS

- ▶ **Xuremi Pay** — WhatsApp + M-Pesa payment platform | Daraja API, WhatsApp Cloud API, NeonDB, Next.js
- ▶ **KISIS** — National AI security intelligence system | Next.js, FastAPI, facial recognition, predictive analytics
- ▶ **Hillview SACCO System** — Live cooperative management platform | Node.js, PostgreSQL, Africa's Talking SMS
- ▶ **Miner AI** — Geospatial AI monitoring platform | React, satellite APIs — PARC 2025 Award Winner
- ▶ **AI Job Tracker** — Production SaaS tracker with AI Writer | Next.js, NeonDB, Anthropic Claude API, Vercel
- ▶ **MyChat** — AI-powered customer support platform | Embeddable chat widget, AI agent trained on custom knowledge base (website crawler + helpdesk), built-in lead capture, and shared team inbox with assignment & roles. Delivers automated 24/7 support with seamless human handoff — live in minutes from a single code snippet.
- ▶ **OSINT Dashboard** — Security intelligence tool | React, Python — DNS, WHOIS, IP geolocation, email headers

EDUCATION

BSc. Computer Science | Zetech University

Sep 2020 – Oct 2023

CERTIFICATIONS

- ▶ Cisco Certified Network Associate (CCNA) — Networking fundamentals & troubleshooting
- ▶ Cisco Certified CyberOps Associate — Security monitoring & threat analysis
- ▶ Cisco Certified DevNet Associate — Software development, APIs & automation

COMMUNITY & LEADERSHIP

- ▶ Co-organized AWS Student Community Day Kenya — website and ticketing team lead.
- ▶ Founded AWS Cloud Club at Zetech University.
- ▶ Taught HTML to high school students; ran a girls-only web development programme.
- ▶ Completed a 10-day HEH (Homeland Ecosystem Hub) technical developer assessment covering frontend, backend, security, and JWT/RBAC architecture.