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PROFESSIONAL SUMMARY

MSIT student at CMU-Africa, Mastercard Foundation Scholar with 5+ years in software development. I build production-ready systems, open-source tools, and AI-powered automations. Experienced in API integration, data pipelines, AI and NLP model evaluation, and turning complex requirements into scalable applications.

EDUCATION

Master of Science in Information Technology | Mastercard Foundation Scholar

Carnegie Mellon University, Kigali | Aug 2025 – May 2027

Relevant Coursework: Cloud Computing, Data Inference & Applied Machine Learning, Telecoms, ICT Entrepreneurship.

Bachelor's in Software Engineering | Adventist University of Central Africa (AUCA), Nov 2021 – Aug 2024

PROFESSIONAL EXPERIENCE

AI/NLP Engineer (Intern) | Ministry of ICT and Innovation, Rwanda, Responsible AI Office, Kigali | Jun 2026 – Sep 2026

- Designed and evaluated AI and NLP solutions supporting government service delivery and decision-making, in the Innovation and Emerging Technologies Department.
- Benchmarked machine learning models across quality, cost, latency, and language support, including Kinyarwanda, to guide model selection for real deployments.
- Worked across the full delivery path, from discovery and data to model development and deployment, in a small engineering team (placed through CAIPI and the CMU-Africa internship programme).

Full-Stack Developer | Proqio, Spain (Remote) | Oct 2022 – Nov 2025

- Built comprehensive sensor management system with REST API integrations and real-time alerting.
- Integrated Esri ArcGIS mapping library to visualize sensor locations and geographic-based monitoring.
- Integrated multiple connectivity protocols (FTP, MQTT, REST APIs) for IoT data ingestion from diverse sensor networks.

PROJECTS

Kyego Tools | Open-Source Organization (github.com/Kyego-Tools)

- Founded Kyego Tools, an open-source organization building automation tools for developers and creators.
- Built PostBox** (postbox.kyego.com), a free, self-hosted social media scheduler supporting Facebook, Instagram, TikTok, Twitter/X, and Threads with scheduled publishing, analytics dashboard, and calendar view.
- Tech: Next.js, Convex (serverless), Docker, OAuth integrations, AES-256-GCM encryption, professional Mintlify docs.

Media-Master API | FastAPI Backend, Open-Source

- Production-ready REST API for automated media processing with FFmpeg and AI voice models (Kokoro TTS, ChatterBox); endpoints documented for community adoption.

Elvito AI | YouTube Channel & Community (youtube.com/@Elvito-AI)

- Created tutorial series on n8n automation workflows, AI API integrations, and webhook handling.

SKILLS & CERTIFICATES

Programming: Python, FastAPI, C++, JavaScript, React.js, HTML/CSS, Node.js, Docker, N8N

Infrastructure: AWS, Linux/Unix (RedHat), Server Deployment, Virtualization, Git, CI/CD

AI & APIs: Model Benchmarking & Evaluation, NLP, OpenAI API, Anthropic API, Kokoro TTS, ChatterBox, Prompt Engineering

Other: Agile, Product Roadmap, Digital Marketing, UX Prototyping, Storytelling

LANGUAGES

Kinyarwanda, Native | English, Fluent | French, Professional