

SUMMARY

Self-taught Creative Software Developer, AI Systems Engineer, and NLP researcher focused on low-resource African languages. Founder of Axiveri, an African AI research initiative publishing open-source language, speech, and image generation models. Builds production-grade web platforms, AI systems, and automation tools used by real users, with hands-on experience across the full machine learning pipeline: training, fine-tuning, evaluation, inference optimization, API engineering, and deployment.

EXPERIENCE

Machine Learning Engineer, Plotweaver

Aug 2026, Present, Africa (Remote)

- Designed and developed multilingual Speech AI systems for African languages, focused on production-ready inference, real-time applications, and scalable API infrastructure.
- Built multilingual TTS systems and voice-cloning capabilities across Nigerian English, Yoruba, Hausa, Igbo, and Nigerian Pidgin.
- Engineered streaming-capable APIs integrating speech models into voice agents and conversational systems.
- Developed and fine-tuned multilingual ASR models (including Whisper-based architectures) with noise augmentation for real-world robustness.
- Built machine translation systems supporting English to Yoruba, Hausa, Igbo, and Nigerian Pidgin.

AI Engineer, Renncora

Contract, Remote

- Built and deployed a real-time speech-to-speech Nigerian Pidgin AI system for a growing social media platform, with natural, human-sounding voice output.

OPEN-SOURCE AI RESEARCH (AXIVERI)

Africlaude	Open-source language model series for African contexts. Africlaude-7B live on HuggingFace.
WazobiaVoice	~2B-parameter multilingual TTS and zero-shot voice cloning across 5 Nigerian languages.
NaijaVox	Nigerian multilingual speech recognition, fine-tuned Whisper large-v3 with LoRA.
AfriVision-Base	FLUX LoRA image generation model trained on African imagery.
TruthGuard Benchmark	Published confidence-calibration benchmark for LLM metacognition, open-source on Kaggle.

SELECTED PROJECTS

ClaudGPT	Multi-agent AI development platform, 9 specialized agents collaborating on full builds.
AjoFlow	Cooperative finance platform digitizing Ajo/Esusu savings groups with AI trust scoring.
Ekklesia	Offline-first multilingual Bible companion app with AI assistant, 5 languages.
FlonexTV	Streaming and academy platform with mobile-first design.

TECHNICAL SKILLS

Next.js	TypeScript	React	Node.js	PyTorch	Whisper
LoRA Fine-tuning	Groq API	HuggingFace	Transformers	Prisma	
PostgreSQL	Tailwind CSS	GPU/CUDA Training	RAG Pipelines		
API Engineering					

BACKGROUND

Self-taught, no formal computer science degree or bootcamp. Learned through documentation, iteration, and shipping real production software used by real users, from first principles through to advanced NLP and speech AI research.