

USANG EMMANUEL INYANG

Founder & Software Engineer · Full-Stack & Backend (Go, Python, TypeScript)

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SUMMARY

Founder and software engineer with about two years of hands-on experience designing, building and shipping production systems in Go, Python (FastAPI) and TypeScript/React. Founder and Director of KOLAPPTECH LTD, the Lagos-based company behind Kola, a multilingual AI voice agent (English, Nigerian Pidgin, Yoruba) that phones customers on behalf of banks and businesses. Also founder and sole developer of Toolzng, a live platform serving Nigerian students, and a regular contributor to open-source Stellar/Soroban tooling. Comfortable owning a product end to end: architecture, backend and frontend, deployment, testing, debugging and clear technical documentation.

TECHNICAL SKILLS

Languages: Go (primary), Python, TypeScript/JavaScript, SQL, HTML/CSS

Frameworks & Libraries: FastAPI, Next.js, React, Vite, Tailwind CSS, Go standard library (net/http, html/template)

Tools & Infrastructure: Docker (multi-stage builds), Git & GitHub, Postgres, SQLite/Turso, Render, Vercel, Firebase Auth, webhooks and signed callbacks, CI

Voice & Integrations: ElevenLabs agents, Twilio, Africa's Talking, Paystack, REST/WebSocket APIs, SMS and email delivery

Web3 / ZK: Stellar/Soroban tooling, Compact smart contract language, Midnight.js, zero-knowledge proofs

Engineering Practices: Writing tests, debugging, code review, reading and extending unfamiliar codebases, API contract design, technical writing

EXPERIENCE

Founder & Director · KOLAPPTECH LTD (RC 9945011)

2026 – Present

Lagos, Nigeria · *Maker of Kola, an AI voice agent for banks and businesses (kolapp.tech)*

- Founded and run the company; design and build Kola, a voice agent that places and answers phone calls in English, Nigerian Pidgin and Yoruba for payment reminders, order and support follow-ups, and customer re-engagement.
- Built the full stack solo: FastAPI backend (Render), Next.js 16 / React 19 operator dashboard (Vercel), Turso persistence, live call transcripts over WebSocket, and per-call briefings so concurrent calls never mix context.
- Integrated ElevenLabs agents and a Twilio number with a bank-facing tool contract (balance, virtual account, invites, SMS) secured with API keys and HMAC-signed webhooks; the same engine powers Kola for Business, a payment-recovery product built on Paystack.
- Defined the safety and consent rules every call follows: recording and automated-assistant disclosure, opt-out handling, human hand-over, and never asking for PINs, passwords or OTPs by voice.
- Handle company registration, voice-number applications with telecom providers, and product documentation for banks and business customers.

Founder & Lead Developer · Toolzng

2025 – Present

Remote · *Solo full-stack product (toolzng.me)*

- Designed, built and deployed a production web application (Go backend, Python document-generation service, custom responsive frontend) that automates academic-research formatting to institutional standards for Nigerian students.
- Own the full production lifecycle: migrated hosting to Render, diagnosed and fixed live build and deployment bugs, and added Umami analytics for usage monitoring.
- Currently building an AI-powered Project Writer module with a React + Vite + Tailwind frontend, FastAPI backend and Firebase authentication.

Software Developer (Fellow) · Learn2Earn NG

Feb 2026 – Present

On-site

- Selected into a competitive software-engineering fellowship; build production-oriented projects and collaborate in shared codebases under senior-developer review.
- Contributed frontend work to Verbatim (verbatim.site), a transcription web app: reading unfamiliar code, matching established patterns and shipping reviewed changes.

Open-Source Contributor • GitHub (@EmmanuelSensai)

2025 – Present

- Author and maintain open-source Stellar/Soroban tooling in Go and Rust, and contribute to external repositories through reviewed pull requests; earned GitHub Pull Shark, Pair Extraordinaire and Quickdraw achievements.

SELECTED PROJECTS

Kola, AI Voice Agent kolapp.tech

KOLAPPTECH LTD

Python • FastAPI • Next.js • TypeScript • ElevenLabs • Twilio • Turso • Vercel • Render

- Multilingual voice agent that calls customers back and guides them through a bank's or business's own flow, with a live operator dashboard, call history, tool timeline, transcripts and customer ratings. Originally built for the Learn2Earn x BMONI "Hack the Future" hackathon.

Anonymous Whispers anonymous-whispers.vercel.app

Midnight Network Builder Challenge

React • Vite • Compact • Midnight.js • Zero-Knowledge Proofs

- Privacy-preserving whistleblower dApp with a two-way encrypted reporter/organization inbox (curve25519, tweetnacl), deployed to Vercel with a recorded demo.

Midnight Network: Proof Server & Indexer Tutorial Dev.to

Eclipse content bounty

- Published a developer tutorial covering Docker setup, version matching, GraphQL queries and WebSocket subscriptions for Midnight's Proof Server and Indexer, revised through a full review cycle.

HACKATHON WINS

Winner • Learn2Earn x BMONI "Hack the Future" Hackathon

Sept 2026

- Won with Kola, an AI voice agent for banking customer service that calls customers back in English, Pidgin or Yoruba and plugs into BMONI's embedded banking API.

Winner • Lagos AI Hacknight by BimpeAI

2026

- Won the Lagos AI Hacknight organized by BimpeAI, the Nigerian voice-AI platform.

EDUCATION

National Diploma, Science Laboratory Technology • Yaba College of Technology (Yabatech), Lagos

2022 –
2025

CGPA: 3.25 / 4.00

LEADERSHIP & COMMUNITY

- Founder and Director, KOLAPPTECH LTD.
- Ambassador, Midnight Network: developer community and ecosystem engagement.
- Vice President, NASTES Yabatech Chapter.
- Fellow, Learn2Earn NG software-engineering program.