

LEO MABUKU

SOFTWARE DEVELOPER | COMPUTER SCIENCE STUDENT | ENTREPRENEUR

Kitwe, Zambia | +260 770 464 736 | leokmabuku@gmail.com | Portfolio | GitHub | LinkedIn

PROFESSIONAL SUMMARY

Fourth-year BSc Computer Science student and software developer building Android, web, systems and programming-language projects. Combines C/C++, Python and Kotlin development with entrepreneurship, live network operations, testing and user-focused problem solving. Open to graduate, internship and junior software engineering opportunities.

TECHNICAL SKILLS

Languages: C, C++, Python, Kotlin, Java, JavaScript, SQL, HTML and CSS

Mobile & web: Android Studio, Jetpack Compose, Room/SQLite, Firebase, Node.js, Express and Astro

Systems & delivery: Git/GitHub, Pytest, PLY, Tkinter, PostgreSQL, Cloudflare Pages and technical documentation

Additional: Networking fundamentals, hardware diagnostics and repair, component replacement and soldering

EXPERIENCE

Founder & Network Service Operator | Starlink Internet Service — Kitwe | Feb 2026–Present

- Operate a Starlink Mini and ARRIS mesh service for 29 subscribers, covering a boarding house and approximately 30 metres beyond the property.
- Manage onboarding, payments, subscription periods and connectivity support; designed SubTrack BH to centralise operational records.

Founder, Sales & Operations | Leo M. Suppliers — Livingstone | Feb 2022–Apr 2026

- Developed a field-based bedding venture into a PACRA-registered business with a physical shop opened in September 2022.
- Managed procurement, stock, sales, marketing, customer service and deliveries; adapted the product range to furniture and learned assembly.

Independent Software Development & Technical Tutoring | Self-employed — 2024–Present

- Provide paid programming tutoring, debugging, project setup and feature customisation, with an emphasis on explaining code and project structure.

Data Analytics Trainee | MedTourEasy — Remote | Sep 2025

- Completed a four-week training programme and live analytics project, applying structured analysis while observing professional confidentiality.

SELECTED PROJECTS

TongaLang | Python, PLY, Tkinter, Pytest — Educational interpreted language with a custom lexer, parser, AST, interpreter, IDE tools, bilingual errors, 17 examples and 147 passing automated tests.

SubTrack BH | Kotlin, Compose, Room, Firebase — Local-first subscriber and payment workspace designed around the active 29-subscriber internet service.

CBU-FIND | Kotlin, Next.js, Firebase — Cross-platform campus lost-and-found with authentication, image reports, search and private item-linked conversations.

SERC Mini-OS | C, Raylib, Win32 — Operating-systems simulator covering four CPU schedulers, memory allocation, paging, IPC, deadlock safety and regression tests.

EDUCATION & PROFESSIONAL DEVELOPMENT

BSc Computer Science | The Copperbelt University — 2023–Present | Expected Sep 2026

Training: Prompt Engineering for Everyone — IBM Skills Network / Cognitive Class, Oct 2025; Data Analytics Traineeship — MedTourEasy, Sep 2025

Business courses: Marketing & Sales, Money Skills and Entrepreneurial Skills — Absa Skills