

JOSEPH KAPEMBWA SICHULA

Lusaka, Zambia | +260 974 421 451 | sichulajoseph223@gmail.com | LinkedIn: [josephsich25](#)

PROFESSIONAL SUMMARY

Final-year Electronics and Telecommunications Engineering student and Social Entrepreneur dedicated to leveraging technology for inclusive education. As the **Founder & CEO of Nzitsa Platforms**, I have pioneered localized e-learning solutions that dismantle language barriers for underserved Zambian youth. Expertly balances high-level corporate strategy with hands-on full-stack development and field engineering, with a proven track record of managing multi-stakeholder engineering projects.

TECHNICAL SKILLS

- **Software Development:** React Native, React.js, Node.js, JavaScript, Git/GitHub, TensorFlow (AI/ML).
- **Engineering & Field:** Solar Inverter Installation, Surveillance Systems, AVR Microcontrollers (ATmega32), Raspberry Pi, Embedded C/C++, Cabling, Antenna Setup.
- **Tools:** MATLAB & Simulink, Technical Documentation, MS Office Suite.

PROFESSIONAL EXPERIENCE & PROJECTS

Nzitsa Platforms | CEO & Interim CTO | Lusaka, Zambia

Aug 2024 – Present

- Architected and launched **Nzitsa Academy**, a cross-platform (iOS/Android) e-learning ecosystem designed for the Zambian context.
- Engineered a **native language switching** feature, allowing non-formally educated youth to acquire technical skills in Zambian languages like Nyanja and Bemba.
- Manage a multidisciplinary team including Program Managers, Student Services, and a production crew to deliver skill-first, "no-certification-required" educational content.
- Lead the transition from web-based learning to a native mobile experience, optimizing for offline access to combat high data costs for local users.

Powerline Agri-Tech Engineering | Co-Owner & Senior Director | Lusaka, Zambia

2022 – Present

- Directing engineering solutions for local communities, focusing on sustainable power and surveillance systems.
- Managing field operations for solar inverter installations and industrial wiring projects.
- Overseeing technical site surveys and project management for agricultural and domestic clients.

Deaujo Jewellery | Co-Owner | Lusaka, Zambia

2020 – Present

- Overseeing operations and technical logistics, including the setup and maintenance of in-store electronic and security systems.

EDUCATION

The University of Zambia (UNZA) | Lusaka, Zambia

Bachelor of Electrical and Electronics Engineering

(Elective: Electronics & Telecommunications Engineering)

- **Expected Graduation:** 2027 (5th Year)
- **Relevant Coursework:** Telecommunication Theory, Communications Networks, Digital Signal Processing, Embedded Systems & Microcontrollers, Communication Principles.

LEADERSHIP & CERTIFICATIONS

- **Student Engineer Certificate** – Engineering Institute of Zambia (EIZ), 2024
- **TETS/JETS National Competition** – Won 1st Place: CompSci & AI Innovation, 2024
- **Domestic & Industrial Wiring Certificate** – The University Of Zambia, 2025
- **President** – JETS Club, Nyumba Yanga Secondary School (2019)

LANGUAGES: English (Fluent).