LEWIS OMBACHI MOGENI

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Nationality: Kenyan | **Languages:** English (C2), Kiswahili (C2)

PROFILE

Highly diligent Telecommunication and Information Engineering graduate from Dedan Kimathi University of Technology with a passion for innovation and problem-solving. Strong foundation in telecommunication systems, embedded electronics, and ICT solutions. Experienced in both civilian and military-grade communication technologies, with proven leadership, teamwork, and analytical skills.

WORK EXPERIENCE

Electrical & Telecommunication Engineer Attache

Communication & Information Systems Maintenance Innovation Centre (CISMIC), Kahawa Barracks, Nairobi

Feb 2025 – Present

- Designed and troubleshot analog/digital circuits using multimeter & oscilloscope.
- Programmed STM32 microcontrollers using STM32Cube IDE (C).
- Created PCB layouts using Ki-CAD.
- Repaired satellite phones, radio transceivers, and power units.
- Assembled lithium-ion battery packs with BMS.
- Gained experience in embedded systems and military-grade telecom solutions.

Electrical & Telecommunication Engineer Attache

State Department of Public Works, Nairobi

May 2023 – Aug 2023

- Designed electrical piping and wiring systems using AutoCAD.
- Developed fire protection systems.
- Recommended elevator systems for building projects.
- Prepared Bills of Quantities using Excel.

Support Technician

PoaNet Technologies, Nyeri

Sep 2022 – Feb 2024

- Installed fiber optic cables and routers.
- Managed network configurations and installations.

- Installed CCTV and biometric security systems.

Student Attache

ADMATC, Dedan Kimathi University, Nyeri

May 2022 – Aug 2022

- Created engineering designs using AutoCAD and Inventor.
- Designed IoT devices.

EDUCATION

BSc in Telecommunication and Information Engineering

Dedan Kimathi University of Technology (DeKUT), Nyeri

Aug 2020 – May 2025

Kenya Certificate of Secondary Education (KCSE)

The Upperhill School, Nairobi

Jan 2016 – Nov 2019

Kenya Certificate of Primary Education (KCPE)

Advent Hill Primary School, Nairobi

Jan 2007 – Nov 2015

TECHNICAL SKILLS

- Circuit design, testing, and troubleshooting
- STM32 microcontroller programming (C)
- PCB design (Ki-CAD)
- AutoCAD MEP & Inventor
- MATLAB
- Python (Intermediate)
- ICT network equipment procurement & installation
- Microsoft Office Suite
- ICT communication protocols

INTERPERSONAL SKILLS

- Leadership & Team Collaboration
- Strategic Planning
- Critical Thinking & Problem-Solving
- Adaptability & Time Management

VOLUNTEERING

CFK Africa, Nairobi – Participated in charity work including cleaning and supporting children's homes.

REFEREES

Zachary Kingsley, *CEO, PoaNet Technologies*

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Captain Felix Kipkirui, *Supervisor, CISMIC*

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