

Trevor Muriuki

TELECOMMUNICATION ENGINEER | FULL STACK DEVELOPER

Highly motivated and detail-oriented Telecommunication Engineer and Full-Stack Developer with a passion for building innovative, scalable solutions. Proven experience in both hardware-integrated IoT systems and modern web development, with strong problem-solving and communication skills. Excels at working independently and in collaborative teams



✉ giturutrevor@gmail.com

☎ +254 701 342609

📍 Thika

🌐 razaoul.xyz

EDUCATION

Bachelor of Science

Jomo Kenyatta University of Agriculture and Technology

09/2019 - 10/2025

Juja

Courses

- Telecommunication and Information Engineering

Certificate eMobilis

01/2019 - 07/2019

Kippro Center, Sports Rd, Nairobi

Courses

- Mobile Software Development and Entrepreneurship Program (MIT)

WORK EXPERIENCE

ICT Intern

State Department of Housing and Urban Development

06/2022 - 08/2022

Ardhi House, 1st Ngong Ave, Nairobi

Achievements/Tasks

- Providing user support and training.
- Assisting with computer systems upgrade, maintenance and software installation.
- Network set up and configuration.
- Help desk management.

Contact: Augustine Mwaura - Mobile No: +254 722 680 301

Junior IT Technician

National Social Security Fund

07/2023 - 09/2023

Thika House, Kwame Nkruma St.

Achievements/Tasks

- Registration of Employers and Employees
- Data Analysis
- Computing UPN
- Customer Care and resolution of customer complaints

Contact: Jackson Kimeu -
Mobile No: +254 721 686 011
Email: JacksonKimeu35@gmail.com

SKILLS

Next.js

Tailwind CSS

FastAPI

PostgreSQL

Cairo

Docker

Git

Microcontroller Programming

Circuit Design & Simulation

Network Engineering

Signal Processing

PROJECTS

Solaris Conexus (10/2024 - 03/2025)

- **Website:** solaris.razaoul.xyz
- Built a decentralized full-stack energy trading platform enabling solar producers and consumers to exchange PowerTokens (SCT) via smart contracts on Starknet/Cairo.
- Integrated real-time IoT data from Arduino devices streaming power metrics through MQTT to a backend database for accurate usage tracking.
- Developed backend APIs with FastAPI to handle device management, token balances, trade history, and secure transaction logic.
- Implemented MPESA (Daraja API) and SMS/email notifications (Africa's Talking & Nylas) to enable mobile payments and real-time user alerts.