Dan Mwirigi
Engineer

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Location: Nairobi, Kenya
GitHub: github.com/miceremwirigi

Professional Summary

I'm a junior biomedical engineer with passion for the application of engineering principles to enhance the quality of day-to-day life.

Education

Bsc. Biomedical Engineering, Kenyatta University

08/2019 - 12/2024

- Instrumentation
- Signal Processing
- Programming

Bachelor of Economics, Kenyatta University

08/2017 - 08/2019

- Economic Theory
- Business Law
- Econometrics

Kenya Certificate of Secondary Education, Alliance High School

02/2013 - 12/2016

Work Experience

Backend Software Engineer Intern, Javan Informatics

06/2023 - 03/2024

- Build the backend app of a fintech app
- Testing the code base of the app
- Maintaining the code base the app

Reference: Kennedy Gathua - 0718488252

Medical Equipment Service Engineer Intern, Apicalmed LTD

01/2023 - 04/2023

- Diagnosing faulty equipment
- Calibrating medical equipment
- Maintenance and servicing of biomedical equipment

Reference: Johnson - 0715891745

Skills

- Programming in Go, C++, Python
- Circuit Design and Analysis
- Electronics Repair
- Rapid Prototyping with Arduino, esp32, raspberry pi
- Communication and Collaboration

Volunteer Experience

- Journey ICC, 06/2023 - 01/2025
- Javan Informatics, 06/2023 - 12/2023
- Kenya Orient Insurance Ltd., 01/2017 - 08/2017

Personal Projects

Bimapap Insurance Management Platform

06/2024 - 07/2024

- Built a web app in Go and React for managing insurance.

Personal Medical Record App

09/2024 - 01/2025

- A personal database for managing personal health records and can be integrated with health monitoring sensors

Certificates

Kenya Certificate of Secondary Education, 01/2013 - 12/2016

Languages

- English (100/100)
- Kiswahili (80/100)

Interests

- Programming
- Electronics
- Automation
- Fintech