Stephen Muiga

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EDUCATION

CyberTalents — Nairobi, KE
Cybersecurity — *May 2024 – June 2024*

Lux Tech Academy — Nairobi, KE
Data Science — *Sept. 2023 – Nov. 2023*

Jomo Kenyatta University of Agriculture and Technology — Kiambu, KE
Bachelor of Science in Mathematics and Computer Science, Pure Mathematics — *Sept. 2020 – April 2024*

EXPERIENCE

Cohort 8.0 Mentee — April 2024 – Present
Kamilimu — *Nairobi, KE*
- Selected as one of the 38 mentees from across 29 universities in Kenya to join the 8th cohort of mentees.
- Structured mentorship for university students pursuing tech-aligned courses in Kenya around the pillars: personal development, professional development, innovation and ICT skills, and community engagement.

Software Developer Intern — May 2023 – Feb .2024
Furaha Ventures Limited — *Westlands, KE*
- Developing a progressive web application using Ionic with Angular and and working with APIs
- Contributing to developing full-stack web applications using Angular, Ionic, GraphQL, and Azure while working with IoT sensors
- Design the user-interface of a progressive web application

Avionics Intern — Sept. 2023 – Jan. 2024
Nakuja Project | Jomo Kenyatta University of Agriculture and Technology & JICA — *JKUAT, KE*
- Developed and tested IoT prototypes using various hardware components such as Arduino, Raspberry Pi, ESP32
- Developed a way to receive data streams from the sensors on the rockets to detect anomalies and take corrective action
- Contributed in building the third iteration of Nakuja rockets, Nakuja N-3

Web Developer — Oct. 2023 – Nov. 2024
Rundomlabs Digital — *Nairobi, KE*
- Developed and maintained a website using WordPress
- Worked closely with clients to understand the site requirements and deliver on time

Undergraduate Industrial Attachment — May. 2023 – Aug. 2023
Nyandarua County Assembly — *Nyandarua, KE*
- Led the transition into a paperless practice by implementing a library management system that's faster and more accurate
- Collaborated in developing a high-quality HR management system to manage the MCAs committee meetings and finances allocation

PROJECTS

Smart Warehousing | *Ionic, Python, Angular, PostgreSQL, REST API* — Nov. 2023 – Present
- Developing a progressive web application using Django REST framework with Angular as the frontend
- Building a hardware system using DHT22 sensors and ESP32 for tracking warehouse conditions variables

Nakuja N-3 Rockets | *Python, Embedded systems* — Sept. 2023 – Jan. 2024
- Developed and tested IoT prototypes using various hardware components such as Arduino, Raspberry Pi, ESP32
- Contributed in building the hardware of the third iteration of Nakuja rockets, Nakuja N-3

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: Angular, Node.js, WordPress, Angular Material, Ionic, REST APIs
Other Skills: Creative writing, Technical writing