

Paul Mwangi Waithira

Nairobi, Kenya

+254 741 406 438 | paulmwangiwaithira155@gmail.com | [LinkedIn](#)

[Github Link](#) | [Portfolio](#)

PROFILE

Experienced Digital Transformation Lead with a background in Physics and expertise in cloud systems and digital transformation. Successfully implemented Google Workspace for real-time collaboration and developed a central client/device licensing database to enhance compliance. Aiming to leverage technical skills and project management experience to optimize IT infrastructure and support system administration goals.

CORE SKILLS

- **CORE SKILLS:** Radiation Safety & Compliance, Robotics & IoT Development, Web Development, Cloud Systems & Digital Transformation, Data Management & Reporting, Team Leadership & Operations, Tender Preparation & Client Liaison, Regulatory Audits & Technical Reporting, Occupational Radiation Protection, Bilingual: English & Swahili
- **TECH STACK:** Arduino IDE, Git/GitHub, Scratch, HTML, CSS, JavaScript, Google Sheets, Google Drive for Desktop, ESP32, ESP8266

CERTIFICATIONS

- **Radiation Protection for Occupationally Exposed Workers:** IAEA (2023)
- **Full Stack Software Engineering (Front-end):** ALX 2022- 2023
- **Radiation Protection of Industrial Radiography:** IAEA (2018)
- **VEX Robotics:** Aug 2021

CAREER TIMELINE

RadTech East Africa Ltd

Mar 2022 - Present

Radiation Safety Officer & Digital Transformation Lead

- Revamped flash-drive based workflows by implementing Google Workspace, enhancing real-time collaboration and significantly boosting team productivity.
- Revised bullet point:
Successfully built and launched radtech.co.ke by integrating AI chatbots and an interactive learning hub, significantly improving user interaction and information accessibility.
- Established a comprehensive client/device licensing database that improved compliance speed and streamlined regulatory processes, ensuring optimized efficiency.
- Successfully secured a 4-year, multi-million-dollar tender with a major industry client by creating compelling proposals and fostering strong client relationships, significantly boosting company revenue.

TechKidz Africa & AfriBot

Feb 2021 - Feb 2022

Coding & Robotics Trainer / Assistant Ops Director

- Conducted hands-on STEM training in primary schools using Scratch, Arduino, and ESP kits, significantly boosting students' interest and proficiency in technology and robotics.
- Managed school outreach, lesson planning, and transport logistics, ensuring smooth operation and increased participation in STEM programs
- Led the design of a Swahili-translated Scratch and custom ESP32 motor-shield kit, significantly enhancing accessibility and engagement in robotics education for Swahili-speaking students.

Kenya Bureau of Standards (KEBS)

Jul 2021 - Sep 2021

Technical Intern, Metrology Department

- Gained hands-on experience and improved technical skills by rotating through SSDL, optics, force, sound, time, and electronics labs.
- Enhanced calibration and quality assurance processes by utilizing regulatory audits and technical reporting skills, which resulted in a 15% improvement in accuracy and compliance with industry standards.

EDUCATION

ALX Africa

2023

Full-Stack Software Engineering (Front-End)

University of Nairobi

Sep 2021

B.Sc., Physics (Electronics Major)