

# Alex Aganga Nyokwoyo

**Languages:** English & Swahili

**Contacts:** 0741138844/ 0724948952

**Email Address:** alexagangamoustapha430@gmail.com

## Professional Bio

I am a trained IT professional with a strong background in hardware engineering, data analysis and educational technology. My experience includes working as a Hardware Engineer at Momentum Credit, where I excel in testing and configuring computer hardware and network systems. Previously, as a Data Analyst with the Independent Electoral and Boundaries Commission (IEBC), I developed expertise in data collection and management, which honed my attention to detail and analytical skills.

In such success, since March 2024, I have been actively involved with Young Scientists Kenya, training high school students in coding in Kisii County. My technical proficiency covers programming languages such as Python, Java, and C++, and I excel in developing innovative solutions to complex problems. I am driven by the challenge of solving technological problems and enhancing operational efficiency.

I bring a unique combination of hands-on technical experience and educational expertise to any organization that I serve in, enabling me to contribute to both practical IT solutions and the development of future tech talent. My commitment to continuous learning and excellence ensures that I deliver high-quality results and drive innovation in the technology sector

## Career Objectives

- Leverage my skills and experience in hardware engineering, data analysis and educational technology to contribute to innovative and impactful projects.
- Continuously learn and develop professionally by staying abreast of emerging technologies and best practices in the industry.
- Secure a challenging role that allows me to apply my technical expertise, foster teamwork and drive organizational success.
- Mentor and teach the next generation of tech professionals, contributing to the growth of the technology sector in Kenya and beyond.

## Work Experience

### Hardware Engineer

*Momentum Credit*

*January 2023 – Present*

Momentum Credit is a Kenyan based company that specializes in offering various financial solutions to individuals and companies around the country.

#### Responsibilities and Achievements

- Tested and maintained computer hardware including printers, scanners, and modems.
- Configured and troubleshooted network systems to ensure optimal performance.
- Collaborated with IT teams to streamline hardware deployment and maintenance processes.
- Provided technical support and training to staff on hardware usage and best practices.

### Data Analyst

*Independent Electoral and Boundaries Commission (IEBC)*

*August 2019 – May 2020*

IEBC is the national body responsible for overseeing elections in Kenya.

#### Responsibilities and achievements

- Collected, sorted, and entered data related to voter registration and election processes.
- Registered new voters in Mavoko, Machakos County, ensuring data accuracy and integrity.
- Analyzed data trends and provided insights to improve electoral processes.
- Assisted in the preparation and distribution of electoral materials.

### Lecturer

*Elgon View College*

*May 2018 – August 2018*

Elgon View College is an institution of higher learning based in Kenya that provides a range of academic programs.

#### Responsibilities and achievements

- Taught courses in software packages, software engineering, and website development.
- Developed and implemented lesson plans that catered to diverse learning styles.
- Assessed and evaluated student progress through exams, assignments, and projects.
- Mentored students, providing guidance on academic and career paths in technology.

## Other Jobs Worked

### Coding Instructor

*Various High Schools, Kisii County, Kenya*

*Ongoing*

### Responsibilities and achievements

- Teach coding languages and concepts to high school students.
- Develop curriculum and learning materials tailored to students' levels and interests.
- Foster a supportive and engaging learning environment to inspire interest in technology.
- Assess and track student progress, providing feedback and additional support as needed.

## Education

### Bachelor's Degree in Information Technology

*Jomo Kenyatta University of Agriculture and Technology (JKUAT)*

*May 2021 – Present*

### Diploma in Information Technology

*Jomo Kenyatta University of Agriculture and Technology (JKUAT)*

*2017 – 2019*

### Kenya Certificate of Secondary Education (KCSE)

*St. John's Nyamagwa Boys High School*

*2012 – 2016*

## Skills & Competencies

- Proficient in HTML, CSS, JavaScript, and frameworks such as React and Angular.
- Experienced in analyzing system requirements and designing comprehensive solutions.
- Skilled in configuring and troubleshooting network systems, including routers, switches, and firewalls.
- Knowledgeable in cloud platforms like AWS and Azure, including deployment and management of cloud resources.
- Excellent ability to collaborate with colleagues and work effectively in team settings.
- Strong verbal and written communication skills, capable of explaining technical concepts to non-technical audiences.
- Effective teaching and mentoring skills, demonstrated through experience as a lecturer and coding instructor.
- Proven track record of managing time efficiently to meet deadlines and ensure project completion.

## **Referees**

**MR MICHAEL LOKI**

*LECTURE JKUAT*

+254 728 804 663