

**HAROUN WABWIRE MAGIO**

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## **EDUCATION BACKGROUND**

### **UNIVERSITY OF KABIANGA, KERICHO-KENYA— BSC. IN COMPUTER SCIENCE**

*SEPTEMBER 2021 – APRIL 2025*

*Graduated – Second Class Honors (Upper Division)*

### **Kenya Certificate of Secondary Education Sigalame High School |**

*2017 - 2020 - B plain*

### **Kenya Certificate of Primary Education**

*Sifugwe primary School | 2009 - 2016*

## **EXPERIENCE**

### **1. ICT Support & Systems Engineer (Volunteer) | National Public Health Laboratories (NPHL)** */ August 2025 – Present*

- Performing server installation, configuration, and maintenance to ensure optimal performance and reliability.
- Setting up and managing network systems, including switches, routers, and structured cabling across departments and laboratories.
- Assisting in the installation and configuration of Laboratory Information Management Systems (LIMS) and LabWare applications.
- Upgrading and maintaining computer systems and laboratory machines to support efficient ICT operations.
- Providing comprehensive ICT support for both administrative and technical staff to ensure smooth system functionality.

### **2. ICT Officer**

*Kenyatta National Hospital | May 2024 - Aug. 2024*

- Reported faults for further action.
- Performed troubleshooting to correct computer hardware and software malfunctions.
- Maintained printers, photocopiers, and other peripherals to ensure service availability.
- Installed and configured computer hardware, operating systems, and applications.
- Network setup and configuration.
- Monitored ICT equipment.

- Developed basic ICT solutions and projects. EHR systems
- Provided user support and training.

### 3. **Software Engineer || System Developer || Web Developer (Freelance)**

March 2024 – present

Leading design and development of innovative systems and software solutions including:

- **MamaFries POS System** – A Point of Sale solution developed in Python and PyQt5 library, featuring inventory tracking, order management, and automated receipt generation for small businesses.
- **BlogPerl** – A dynamic content management and blogging platform built with Django, focused on performance and clean UI/UX design.
- **Biometric System** – A secure facial and fingerprint-based identification system enhancing accuracy and access control efficiency. Using Python
- **e-Medical System** – A comprehensive hospital management system (Using Django Framework) integrating appointment scheduling, billing automation, and Daraja API payment processing. Contributed to end-to-end system architecture, database design, and front-end

### 4. **ICT Assistant**

*Kapkatet* | Aug 2023 – Sept. 2023

- Data entry
- Performed troubleshooting to correct computer hardware and software malfunctions.

### 5. **SKILLS**

- Server Installation, Configuration, and Maintenance
- Network Setup, Configuration, and Troubleshooting
- Laboratory Information Management Systems (LIMS) & LabWare Setup
- Computer Hardware and Software Support
- System Upgrades and ICT Infrastructure Management
- Web and Software Development (Front-end & Back-end)
- Database Design and API Integration
- Project Management and Documentation
- Technical Support and User Training
- Data Analysis and Reporting
- Team Collaboration and Communication
- Fast Learner and Results-Oriented

### 6. **CERTIFICATIONS & MEMBERSHIPS**

- ALX software Engineering – (Accredited certificate)
- Industrial Attachment Certificate
- ALISON (Accredited certificate in C programming)
- Emobilis Institute – (Certificate in Web development)

## 7. **BOOTCAMPS**

- i. Alx Software engineering --- Certificate in software Engineering
- ii. Emobilis ----- Certificate in Web Development

## **REFEREES**

### **Michael Mwangi**

Senior ICT Officer National Public Health Laboratories – NPHL, Nairobi

Tel: 0729139006

Email: [mwangimike@gmail.com](mailto:mwangimike@gmail.com)

### **Augustine Mutua**

ICT Officer Kenyatta National Hospital – Business Systems, Nairobi

Tel: 0716659801

Email: [Amutua@knh.or.ke](mailto:Amutua@knh.or.ke)

### **Daniel Omondi**

ICT trainer - Bumbe Technical and Training Centre

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