

**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 - 2021 - 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

- Installing, configuring, and maintaining Windows Server and network services to ensure system reliability and uptime.
- Setting up and managing network infrastructure, including routers, switches, VLANs, and structured cabling across laboratories and departments.
- Supporting the deployment and configuration of LIMS and LabWare systems within the network environment.
- Upgrading, troubleshooting, and maintaining computer systems, servers, and laboratory equipment.
- Providing ICT and network support to administrative and technical staff to ensure smooth and secure operations.
- Assisting in the installation and configuration of Laboratory Information Management Systems (LIMS) and LabWare applications.

### 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**

*Kapkaget Hospital* | 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**

**1. Michael Mwangi**

Senior ICT Officer National Public Health Laboratories – NPHL, Nairobi

Tel: 0729139006

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

**2. Augustine Mutua**

ICT Officer Kenyatta National Hospital – Business Systems, Nairobi

Tel: 0716659801

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

**3. Daniel Omondi**

ICT trainer - Bumbe Technical and Training Centre

Tel: 0792766296

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