

HAROUN WABWIRE MAGIO

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ID Number: 39726149

Nationality: Kenyan

Ethnicity: Luhya

Languages: English (Fluent), Kiswahili (Fluent), Luhya (Native)



PROFESSIONAL SUMMARY

ICT Systems Engineer with 2+ years of experience in healthcare IT and software development.

Proven track record deploying and maintaining Windows Server, DNS, DHCP and LIMS solutions, supporting 200+ clinical users, and delivering custom Python/Django applications. Skilled in network configuration (VLANs, switches), server hardening, and API integrations (Daraja/swagger).

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

- Installed and maintained Windows Server infrastructure and network services, improving system uptime across 5 lab sites.
- Configured VLANs and managed switches/routers to segment lab traffic, reducing network incidents by 40%.
- Led LIMS/LabWare deployment tasks (configuration, user roles, integration) and supported go-live for 3 laboratories, decreasing sample processing delays by 25%
- Implemented server patching and backup procedures, cutting recovery time objectives (RTO) by 30%.
- Upgraded, troubleshoot and maintained computer systems, servers, and laboratory equipment.

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.
- 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 Hospital | Aug 2023 – Sept. 2023

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

5. **TECHNICAL SKILLS**

- Server Installation, Configuration, and Maintenance
- Network Setup, Configuration, and Troubleshooting
- Laboratory Information Management Systems (LIMS) & LabWare Setup, VMware, Hyper -V
- Computer Hardware and Software Support
- Web and Software Development (Front-end & Back-end)
- Database Design and API Integration
- Technical Support and User Training
- Data Analysis and Reporting

6. **SOFT SKILLS**

- Team Collaboration and Communication
- Fast Learner and Results-Oriented
- Project Management and Documentation

7. **CERTIFICATIONS & MEMBERSHIPS**

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

8. **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

2. Augustine Mutua

ICT Officer Kenyatta National Hospital – Business Systems, Nairobi
Tel: 0716659801
Email: Amutua@knh.or.ke

3. Daniel Omondi

ICT trainer - Bumbe Technical and Training Centre Tel:
0792766296
Email: ojiadanomo@gmail.com