

## **KALEMA ROGER**

### **Information Systems and Technology**

Kampala, Uganda

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## **SUMMARY**

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Aspiring Information Systems and Technology Professional with a strong results-focus and sense of drive, Experience with full stack development, systems design and networking. Proven track record of providing practical solutions via internships, academic projects and international hackathons. Keen to explore the application of technology to meaningful problems and work within companies and teams of fast-paced and innovation.

## **PROFESSIONAL EXPERIENCE**

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### **Intern - Networking and Web Development**

May 2024 – July 2024

Stratcom Communications and IT Solutions Ltd

- Assisted in the implementation and upkeep of local networking hardware.
- Contributed in web application development, specifically for a micro finance system.
- Acquired hands-on IT support/system integration experience working under Stuart McCarthy Sebulime.

## **PROJECTS**

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### **Final Year Project – E-Blood Donation and Management Information System | Aug2024 – May 2025**

- Created a web platform to track donors, requests and blood bank inventory.
- Tech stack: Django, Bootstrap.
- Complete donor, appointment, reporting and tracking modules.

### **Hospital Booking App – PrimeCare General Hospital**

Sept 2024 – Dec 2025

- Constructed a hospital appointment system using react, typescript, vite, node.js and mongo db.
- Facilitated patients in making and managing appointments and doctors in viewing appointments and modifying bookings.

### **Student Feedback Tracking Information System**

Oct 2024 – May 2025

- Created a vehicle for students to voice concerns of an academic, administrative and social nature in real time feedback forum.
- They are concerned with making students at Makerere University more engaged through transparency.

### **Hackathon Participation**

May2025 – To Date

Raise your hack – lablab.ai. Metro Store AI assistant, Created Groq API, email alerts, and real-time analytics; an AI shopping assistant.

- Using Flask, HTML, CSS, JavaScript, and Python.
- Worked as a team of 5 to quickly develop an entire e-commerce experience.

AI Genesis – lablab.ai. InboxIQ – AI Email Triage Assistant, In an International team with role as Machine Learning Lead.

- Developed an AI email organizer, prioritizer, and replier.
- Worked on backend development and AI implementation across multiple timezones.

### **RELEVANT EXPERIENCE**

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- Full-Stack Web Development
- System Design and Architecture
- Networking and Infrastructure
- Frontend Development in React, TypeScript, HTML and CSS
- Backend Development in Python, Node.js, Django and Express
- Databases with MySQL and MongoDB
- Git and GitHub for Version Control

- Critical Thinking and Problem Solving
- Team Collaboration and Communication

## EDUCATION

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### **Bachelor of Information Systems and Technology**

Feb 2022 - Jan 2026

Makerere University, Kampala

Completing: January 2026

Courses of Interest: Application Development; Networking; UI/UX Design

## ADDITIONAL INFORMATION

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- **Ambassador:** AfriLead EduTourism Network – ALEN.
- **Interests:** Technology innovation, football, travel, community engagement
- **Leadership:** Led student as class representative and as scrum leader for projects and extracurricular groups

## REFERENCES

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Moza Salum Mchoro, Senior Executive Coordinator, Afrilead EduTourism Network (ALEN)  
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