

Rhema Mutethia

rhemambaabu@gmail.com | 0702239686 | Nairobi, Kenya

LinkedIn: [LinkedIn](#) | GitHub: [rhema254](#)

EDUCATION

AWS re/Start

Certified AWS Cloud Practitioner

January 2025 - Present

Kenyatta University

BSc. in Computer Science

Second Class Upper Division.

Oct 2020 - Dec 2024

National Research Fund Kenya

Certificate in Data Science with Python.

July 2021 - Oct 2022

EXPERIENCE

ChristiansInCampo

Software Developer Volunteer

Jan 2025 - Present

Nairobi

- Created a WordPress blog website for blogs and articles.
- Led a developer team in designing and developing of a new company website.
- Designed posters and brand visual content for the company using Canva.
- Designed and developed a NoSQL database for document storage of articles, blogs and newsletters.

DukaTech Solutions Limited

Software Developer Attache

May 2024 - August 2024

Nairobi

- Developed and documented RESTful APIs for various projects, ensuring seamless integration and functionality.
- Integrated and managed external APIs, including GPT API, Google Forms API, and internal APIs to enhance various application capabilities.
- Developed backend systems, focusing on creating robust application logic to support various project requirements.
- Designed and structured databases to ensure efficient data management and retrieval.
- Executed application tests to ensure functionality, reliability, and optimal performance for company products.
- Collaborated with team members to debug code, and perform code reviews and technical guidance to improve overall code quality.

BGVs Kenya

Content Creator and Software Developer

September 2023 - Present

Nairobi

- Created original social media content including posters, informational videos and Instagram stories for the account.
- Created a best practices document to outline the process of engaging musicians and using their content on the page to protect the page owners from infringing on Intellectual Property rights.
- Collaborated with musicians to share content on the page and promote the page.
- Grew Instagram account from 0 followers to 100+ followers.
- Collaborated with experienced background vocalists and other musicians to create a website to connect them to clients.

The African Early Childhood Network (AFECN)

Technical Support Assistant

June 2022 to July 2022

Nairobi

- Provided Zoom IT support for virtual sessions, ensuring smooth connectivity and troubleshooting technical issues.
- Managed participant registration and handled inquiries during events
- Oversaw session management, including speaker coordination and timekeeping.
- Set up and managed breakout rooms for discussions and workshops.
- Monitored and compiled session reports, ensuring accurate documentation of event details.

Mwihoko Baptist Church

Volunteer

October 2020 - Present

Nairobi

- Created graphic designs including event posters, newsletters, announcements, brochures, Worship Lyrics slides and Presentation slides.
- Led a mentorship program to train Form four leavers in playing musical instruments, singing, and sound engineering.
- Trained over 10 youths in playing musical instruments increasing the church's overall music experience by 90%.
- Represented young people in church council increasing the youth inclusion in church events by 40%.
- Collaborated with the worship team to arrange music and curate worship set lists.

SKILLS

- Proficient in Python (Django, Flask Frameworks).
- Experience in deploying backend applications on the nginx server and AWS EC2 instances.
- Experienced with Git and GitHub for version control and team collaboration.

- Proficient in Web Development using HTML, CSS and Javascript.
- Proficient in Canva for Graphic Design and Content Creation
- Excellent written and verbal communication.
- Strong attention to detail and troubleshooting skills.
- Strong problem-solving and technical support skills.
- Proficient in Database Management using MySQL and MongoDB.
- Excellent written and verbal communication skills.
- Experience with Jira and Trello for Project Management and Bug Tracking.
- Experience with Linux Server Management and Troubleshooting.

PROFESSIONAL PROJECTS

SIFAFX

A company appointment booking platform for clients to book forex trading platform experts. The project incorporated an admin dashboard to automatically add booked sessions to the admin's calendar, automated emailing to clients upon successful booking and a user webpage to book appointments.

Programming Languages and Tools: Python Flask, HTML, CSS, JavaScript, MySQL.

- Designed and developed the Database of the Web Application.
- Designed and developed the application logic for the Web Application.
- Hosted static assets to Cloudinary to reduce site load time.
- Deployed the website to a hosting server
- Mapped the domain name to point to the hosting server for seamless accessibility.

Link: sifax.com

HARVESTHUB

A solution for the HelloTractor Hackathon in November 2024, this secondary e-commerce platform connects farmers and dealers to trade second-hand agro-implements. Key features include Google OAuth registration, buyer and seller platforms, an admin portal, real-time inventory management, and a wishlist.

Programming Languages and Tools: Python Flask, NextJs, PostgreSQL.

Role: Backend Developer.

- Designed and developed the Database of the Web Application.
- Designed and developed the application logic for the Web Application.
- Developed a robust RESTful API to enable seamless back and frontend communication, ensuring efficient data handling and user interactions.
- Authored comprehensive API documentation with clear endpoints, parameters, and example responses to facilitate ease of use and integration for developers.

Link: [HarvestHub.git](#)

MUSICIANSCONNECT

A web application to connect Music Professionals to clients in Kenya for the Organisation BGVs Kenya. The website contains features such as Personalised Dashboards, M-Pesa Payment Gateway and a Ratings System. Programming Languages: HTML, CSS, JavaScript and Django.

- Designed and developed the Frontend of the Web Application
- Designed and developed the Database of the Web Application.
- Integrated Daraja API payment gateway to facilitate in-app payment.
- Designed and developed the application logic for the Web Application
- Deployed the application to a hosting server.
- Utilised cdnjs for data visualisation and report generation on the admin dashboard.

Link: [MusiciansConnect.git](#)

REVOLUTIONIZE ENGINEERING

Revolutionize Engineering is a transformative one-year project, "Revolutionize Engineering," aimed at building a community of 10,000 engineering students in Kenya, focusing on 4IR technologies. Developed a sustainable, industry-led training strategy, including hackathons to equip students with practical IT skills.

Programming Languages: React, Python (Flask), MySQL.

Role: Backend Developer

- Designed and developed the Database of the Web Application
- Designed and coordinated the development of the application logic.
- Integrated Google Forms API to trigger custom workflows based on form submissions.
- Designed and developed a restful API to allow communication between the Frontend Application and 3rd Party Systems.

Link: [Revolutionize_Backend.git](#)

HACKATHON SOLUTIONS

SOLARPAY

SolarPay was a solution developed for Africa's Talking Hackathon in September 2024, focused on clean energy solutions. The platform utilises Africa's Talking APIs to provide a USSD-based system for user registration, solar payment plan selection, and agent-based enrollment. It enables efficient payment processing, and user authentication, and supports the adoption of clean energy by offering an accessible, sustainable solution for underserved areas.

Programming Languages and Tools: Python Flask, HTML, CSS, React.

Role: Backend Developer

Position: 6 out of 18 Teams.

- Designed and developed the database to ensure efficient data storage and retrieval.
- Created RESTful APIs to enable seamless interaction between the frontend and database.
- Integrated Africa's Talking USSD API for user interaction via USSD prompts.
- Designed the application logic to implement user registration, payment plan selection, and agent-based enrollment.

Link: [SolarPay Backend.git](#)

CERTIFICATION AND TRAINING:

- BSc. Computer Science - Kenyatta University
- Data Science with Python by National Research Fund Kenya.
- AWS Cloud Practitioner Essentials by AWS Skill Builder.