

Esther Wavinya Ndavi | Software Engineer

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Experience

AfyaRekod | Nairobi, Kenya

January 2022 - Present

Fullstack Developer

AfyaRekod is a digital health data platform that focuses on the patient and allows health facilities to capture, store, have real time access and mobility of the patients health data.

- Working on the Universal Patient Portal, [myrekod.com](#), patients are able to keep their health records in one place. This saves lives and prevents misdiagnosis.
- Developed mobile application, web portal and APIs needed to build the [AfyaRekod](#) cross-platform system using Swift, Ruby on Rails, Blockchain, CloudKit and Go.
- Integrated USSD API to the app using Golang, this resulted in a 30% increase of app users.
- Wrote automated tests for the backend effectively increasing test coverage from 75% to 95% reducing bugs by 10%
- Worked on several app's packages: HMIS package, Diagnostic and Telehealth packages using Golang & Angular which resulted in 5 % revenue increase for the company.

UgTechMag | Uganda

April 2022 - Present

Technical Writer

UgTechMag is a technology consumer website in Uganda with a focus on providing reliable, resourceful and extensive information about technology products and services.

- Developed product manuals, how-to guides, website help sections, journal articles on current Tech News for Kenyan audiences.
- [Sample articles](#)

Sibasi Ltd | Nairobi, Kenya

June 2020 - January 2022

Software Engineer

Sibasi Ltd is an ICT solutions and services company.

- Developed client websites using HTML, CSS, JavaScript, Angular and NestJS.
- Incorporated SEO into clients websites increasing conversion rates by 10%.
- Developed backend APIs for both mobile and web apps for different clients such as [AutoXpress](#) Web, iOS and android apps, [Point of Sale](#) web app among others.
- Apart from development, due to good work on client's work, Maintained the respective apps and systems. This resulted in an increase in clients and revenue by 200%.

Software Engineer Intern

January 2020 - June 2020

- Responsible for the development of Sibasi Ltd online presence, the design of the website.
- Developed clients websites using JavaScript and Angular with guidance of the team lead.
- Worked on Microsoft Power Platforms(PowerApps, Office 365, Sharepoint development, PowerBI dashboards) for different clients such as ICDC, TDB, Growth Africa etc.

Education

University of Nairobi | Nairobi, Kenya

Graduated in September 2021

Bachelor of Science in Geology

Grade: Second Upper Class Honors.

Skills

Programming Languages: JavaScript, Swift, Python, Ruby, Golang, NodeJS, SQL, Blockchain

Frameworks/Technologies: ReactJS, Angular, Express, Ruby on Rails, Git, CloudKit

Databases: PosthgreSQL, MySQL, MongoDB, GraphQL

Projects

Treach - Backend Developer

March 2021 - April 2021

A web application that addresses issues affecting our education sector. It provides resources and a platform for teachers to skill up and share. Used **NodeJS(express)** and **MongoDB** to build the backend of the application, handled authentication - authorization and web scrapping. [Treach](#).

Tovuti Blog - Lead Developer

June 2021 - September 2021

Tovuti is a blog site that provides bloggers with the ability to manage their content without interacting with code. The idea is to provide them with a custom content management system that will be fast and easy to use. I used Gatsby JS for its performance and amazing SEO capability, **GraphQL** for API and managing the data source. **React** and **Material UI** for styling and UI design. The site has **100% SEO** and averages 90 % in performance, this speed and performance increases the blog site conversion rate dramatically. For content management, I used **sanity CMS**. [Tovuti](#).

Netflix Clone

November 2021 - December 2021

Mobile responsive Netflix clone built with **ReactJS**, **Typescript**, styled - **component**, **react router**, **Firebase** and **context API** for state management. Used Object-Oriented Concepts to develop UI components that could be reusable across the web application. Extensively used **Git** for version control and regularly pushed code to GitHub. Applied optimization techniques like "limiting use of Global state, using custom hooks to handle fetching data asynchronously" to reduce page size and load time. [Netflix](#).

Certifications

Bachelor of Science in Geology (10/2017 - 09/2021)

Graduated with a Second Upper Class Honors at the University of Nairobi.

IT SUPPORT (02/2021 - Present)

[google-it-support-professional-certificate.jpg\(Shared\)- Adobe Document Cloud](#)

Fundamentals of Digital Marketing (06/2021 - Present)

[Digitalmarketing certificate.pdf\(Shared\)- Adobe Document Cloud](#)

Mobile Web Development (02/2021 - Present)

[GADS-Certificate2020.png\(Shared\)- Adobe Document Cloud](#)

Achievements

Google Africa Developer Scholarship Program

June 2021 - Present

This program aims to engage with existing and aspiring developers to help them build the skills they need to find a job after the program is over.

- Recognized as an outstanding Mobile Web Specialist(Angular) Mentor by Google and Andela.

KamiLimu cohort 6.0 Mentee

August 2021 - May 2022

An Award-winning mentorship program that up-skills STEM university students with skills not taught in a classroom setup.

- I was one of the 37 mentees accepted into the program with a 21% acceptance rate.

KamiLimu ICT Innovation Competition

January 2022 - May 2022

Worked in a team of 3 and emerged the winners with our project "DDiVe" in the most competitive cycle yet.

- DDiVe is an AI Computer Aided Diagnosis software that enables the specialist to easily and swiftly diagnose various forms of diseases in MRI and CT scans with a much higher accuracy. This project also aims at reducing the time a patients gets to receive a diagnosis by making the scans easily accessible to specialists or doctors who can diagnose a patient from home.