Collins Kariuki Kuria

Software Developer
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🌐 : collins-kariuki.github.io/

EXPERIENCE

Scala institute

January 2021 - April 2021

Developing an internet radio application that will enable artists to prerelease music to a select group of listeners. Implementing the encoding server and the adaptive bit stream (ABS) architecture.

Microsoft Africa Development Centre

October 2020 - January 2021

Developed a precision agriculture, Artificial Intelligence model using KNN algorithm to predict crop to be cultivating according to soil nutrition report.

Suiver Technologies , Software Developer

February 2020 - September 2020

Designed and implemented a Video on Demand cloud architecture, increasing the number of **stream formats** from one to three (> 66%) and **resolutions** from one to four, a 75 % improvement.

Murienda's Web Solutions

From January 2020 per project basis.

Developed client websites such as Mwananchi Credit automating their CRM portal management.

EDUCATION

University of Nairobi,

BSc. Computer science

September 2018 - Expected graduation (Sept 2022)

Keen interest in Software Engineering and Algorithms.

Moringa School

February 2018 - August 2018

Completed Software Development Fundamentals.

Built a portfolio using Bootstrap.

Alliance High School

February 2014 - November 2017

Successfully Completed High School Education.

LANGUAGES

English -Written and spoken proficiency .

Kiswahili -Written and spoken proficiency.

SKILLS

- **Python** - Django Framework.
- **C++** - Project Experience.
- **Microsoft Azure** - Setting up servers, Deploying websites and applications using docker containers.
- **Amazon web services (AWS)** - Building VOD workflows, CDN distributions and Lambda Functions.
- **Arduino** - Circuit design, assembly and programming.
- **SQL** - Postgresql and MariaDB. Design and Normalization of databases
- **PHP** - Integration with APIs.
- **Html**, CSS and Bootstrap

PROJECTS

Taaara - A Supermarket Self Checkout System.

Designed and implemented a check-out system using **RFID** tags and **Mpesa Daraja API for STK push and transaction verification.**
https://github.com/collins-kariuki/Taaara

Suiver - A video streaming social media app.

Design and deployment of the production environment using **Docker** containers.

Portfolio website.

https://collins-kariuki.github.io/

AWARDS

'A' grade in the second year project for exemplary innovation, implementation and documentation.

REFERENCES

Prof. Daniel Orwa Ochieng
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Dr. Elisha Abade.
University of Nairobi
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