Brian Kangogo

Software Engineer

Junior software engineer with an insatiable curiosity to understand how things work with a goal of innovation and improvement in the technological

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EDUCATION

BSc. Geospatial Information Science & Remote Sensing
Dedan Kimathi University of Technology

05/2019 - 05/2023

Coursework
- Geospatial Science

Software Engineering
ALX Africa

01/2023 - 01/2024

Coursework
- Computer Science

WORK EXPERIENCE

Software Engineer
Qafa Arabia Trading Co

05/2023 - 08/2023   *Freelance Remote*
Front-end developer

Achievements/Tasks
- Contributed to the development of user interfaces for web applications mainly in the e-commerce field
- Translated design mockups and wireframes into responsive and visually appealing user interfaces.
- Optimized frontend code and assets to improve page load times and overall application performance.
- Collaborated with UX designers to enhance user experience through intuitive and efficient interface designs.

Geospatial Engineer
Ministry of Lands and Physical Planning

01/2022 - 04/2022
Student Intern

Achievements/Tasks
- Developed and maintained Geographic Information System (GIS) applications to support the ministry's objectives. .
- Managed and maintained spatial databases, ensuring data accuracy, consistency, and accessibility.
- Utilized remote sensing data to enhance geospatial analyses and monitoring of land resources.
- Implemented spatial queries and optimizations to efficiently retrieve information from large geospatial databases.

SKILLS

Python   JavaScript   C#   C   JavaScript

Kubernetes   Docker   git   Mysql   ML & AI

PERSONAL PROJECTS

GIS Cropforecast (09/2023 - Present)
- Building a Convolutional Neural network to predict maize yield for a particular ROI using Satellite Imagery (MODIS) as Input data

Building System Security (06/2023 - 10/2023)
- Software components for managing and fortifying building access, fire alarms, and overall security systems. Through seamless communication using TCP and UDP over IPv4.

Airbnb clone (09/2023 - 10/2023)
- This application allows and provides users with online platform that connects people looking to rent or lease their properties (such as homes, apartments, or rooms) with travelers seeking temporary accommodations.

LANGUAGES

English
Full Professional Proficiency

French
Limited Working Proficiency

INTERESTS

Artificial Intelligence   Game Development

Theoretical Physics   Hackathons