

DAN LEWIS MURIUKI

Software Engineering Internship

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SUMMARY

A result-driven Software Development with over 2 years of experience in building high-performance projects. Proficient in various technologies like Python, JavaScript, React, jQuery and experienced in maintaining software with 24 7 operations and high usage load. Strong leadership, communication, and problem- solving skills to guide cross-functional teams across geographies.

EXPERIENCE

Full Stack Developer

Cherehani Africa - Internship

A Kenyan-based healthcare provider of software development and technical support services to companies in E-healthcare.

- Leveraged Python's powerful data processing to implement a data cleaning algorithm for our user data
- Setup and management infrastructure and implemented CI/CD workflows
- Involved in full lifecycle development of 2 platforms written using Django Framework
- Maintained and improved the API consumed by our Fuga mobile app

Front-end Web Application Developer

Gebeya – Freelancer

Gebeya is a platform powered by talent supported by an expert team from across Africa. Backed by four years of on the-ground experience across the continent

- Employed Python and Django to contribute to 2 of the company's currently active projects.
- Built website layouts and user interfaces using standard React components and Hooks integrating data from various back-end services and databases.
- Developed, tested, and deployed web and mobile interfaces using React and Typescript, improving the clients' online presence and user experience.

PROJECTS

Python-Monty Bytecode Interpreter

Developed a Python interpreter for Monty bytecode, a custom bytecode format designed for a scripting language

- Python Programming Fundamentals (data types, control flow, functions)
- Bytecode Manipulation (understanding bytecode instructions, manipulating data based on instructions)
- Object-Oriented Programming (if the project involved creating classes for different functionalities)
- Problem-Solving & Debugging (identifying and resolving issues in the interpreter code)

EDUCATION

B.Sc. in Information Technology

KCA University - RUARAKA

- Delved into web development technologies like HTML, CSS, and JavaScript, allowing you to build user interfaces and interactive web applications.
- Project management methodologies like Agile or Waterfall might be introduced, providing valuable skills for planning, executing, and monitoring IT projects effectively.
- Learn about network architectures, protocols, and communication technologies like TCP/IP. This knowledge is crucial for understanding how data travels across networks and how devices connect with each other.

Software Engineering

ALX – Africa - ongoing

- Mastered practically in demand programming languages.
- Gained the ability to design, develop, and test robust software applications.
- Learnt how to structure my code using object-oriented principles, promoting code reusability, maintainability, and scalability.
- Throughout the program I develop strong problem-solving skills through coursework, projects, and troubleshooting exercises. This ability to identify, analyze, and solve technical challenges is crucial in IT professions
- Developed a strong understanding of common data structures (arrays, linked lists, binary trees, etc.) and algorithms (sorting, searching, etc.) essential for efficient problem-solving and code optimization.

SKILLS

Coding

Linux C JavaScript Python

MySQL Django Bash Scripting Data Structures

Algorithms SQL React Git Version

CERTIFICATIONS

IBM DATA SCIENCE — I was able to manipulate data, build models, and automate tasks and also create algorithms using machine learning

GOOGLE DATA ANALYTICS - Learnt how to gather data from various sources, learn and organize it for analysis, and to create impactful data visualizations, techniques for efficient data storage and retrieval using Google Cloud Platform tools like Big Query