

Haniel Okelo

Software Engineer | Python | C++ | Golang

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🔗 mockcube.github.io

📍 Nairobi, Kenya

PROFESSIONAL SUMMARY

I am an experienced Software Engineer with a strong focus on C++, Python and Golang and a passion for continuous learning. I am proficient in developing high-performance back-end systems, optimizing architecture, and ensuring continuous availability of critical APIs. Skilled in Data Analytics, AWS services, SQL/NoSQL databases, and CI/CD. I am also enthusiastic about research into the applications of Machine Learning algorithms and Artificial Intelligence agents in dynamic environments to improve lives through cutting-edge technology.

EXPERIENCE

02/2025-Present

Nairobi, Kenya

Data Analytics Consultant

[Vhumani.app](#)

- Implemented a new data tracking system that increased conversion rates by 20%.
- Automated 20+ manual processes using Python scripts, reducing time spent analyzing data.
- Analyzed data flow and developed a reporting tool to track usage statistics across multiple platforms.

10/2022-12/2024

Nairobi, Kenya

Software Engineer

[Aorist Labs](#)

- Developed and maintained high-performance APIs for fetching thousands of data points, ensuring continuous real-time monitoring.
- Designed and implemented AI-driven security features to detect and monitor threats in real-time.
 - Built scalable backend systems to support machine learning pipelines and secure data processing.
 - Implemented Test-Driven Development (TDD) and utilized CI/CD tools for efficient software delivery.
 - Developed secure APIs and implemented encryption protocols to ensure compliance with data protection standards.
 - Utilized Amazon AWS services to optimize system performance, reliability and scalability.

05/2020-08/2022

Nairobi, Kenya

Backend Software Developer

[Doros.wedding](#)

- Contributed to the development of an online wedding and event management platform.
- Determined coding requirements for the site, including e-commerce capability, security, and specialized scripts.
 - Implemented PostgreSQL databases to handle data.
 - Oversaw back-end development using Django-Python to maintain website integrity, security, and efficiency.
 - Participated in code reviews and provided valuable feedback to improve code quality.

EDUCATION

08/2018-08/2022

Ongata Rongai, Kenya

Bachelor of Science in Applied Physics and Computer Science

[Multimedia University of Kenya](#)

02/2014-12/2017

Siaya, Kenya

KCSE Certificate

Ramba Boys High School

STRENGTHS

Performance Optimizer

Software Innovator

Contributing to Open-Source Projects

Collaboration

SKILLS

Languages

C++ | Python | Golang | HTML5/CSS/JavaScript | SQL

Databases

MySQL | PostgreSQL | MongoDB

Frameworks

Django | FastAPI | Node.js | ExpressJS | Echo | Revel

Cloud

Amazon AWS Services

Tools

REST | Git | Atlassian JIRA | Terraform | CI/CD (GitLab) | Tableau

LANGUAGES

English ●●●●●

Swahili ●●●●●

French ●●●○○

Spanish ●○○○○

NOTABLE PROJECTS

Arcana: Deep learning respiratory disease diagnostic tool focusing on tuberculosis.

A project that examines whether pulmonary TB could be detected in exhaled breath condensate (EBC) samples.

<https://github.com/mockcube/Arcana>

INTERESTS

Robotics | Artificial Intelligence | Cryptography | Quantum Physics & Computing

REFERENCES

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