# CLIFFORD OTIENO

## FULLSTACK DEVELOPER

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LinkedIn | GitHub | Portfolio

### Professional Summary

Fullstack Developer with extensive experience in software development and a solid educational foundation in Information Technology. . I have a proven track record of overseeing projects from inception to completion, enhancing application performance, and driving team collaboration.

### Technical Skills

● **Back-end:** Golang, Rust, Python, C++, PHP, bash scripting, Java

● **Front-end technologies:** JavaScript, HTML5, CSS, typescript, UX/UI,React

● **Database Management:** SQLite, Postgres, MySQL

● **Frameworks:** Rest API, Fast API, Nice GUI, Svelte

● **Version Control:** Git, GitHub

● **Cloud environment:** AWS, Google Cloud

● **Containerization:** Docker

## Professional experience

**Software Developer**                                                                                       **March 2024 - Present**

**Zone01, Kisumu, Kenya.**
- Collaborated with a team of 4 developers, optimizing application performance, which resulted in a 20% increase in user engagement.
- Led and developed over 5 applications, enhancing product delivery speed by 30%.
- Conducted 50+ code reviews, improving code reliability and reducing production bugs by 25% over a 6-month span.
- Implemented software testing practices focused on security measures, identifying vulnerabilities and enhancing application security.
- Utilized version control systems (Git) to effectively manage project timelines and deadlines, ensuring smooth collaboration among team members.
- Developed CLI tools that improved developer productivity and streamlined workflows.
- Contributed to open-source projects, fostering collaboration and community engagement within the software development field.

**Industrial Attachment**                                                                                **January 2021 - April 2021**

**Kenya Agricultural and Livestock Research Organization. (KALRO) Kisumu, Kenya.**
- Participated in the implementation of data collection protocols that enhanced research data reliability by 15%.
- Analyzed and processed over 2,000 data entries collected using ODK and SurveyCTO, leading to targeted insights that improved crop yield by 15% and increased livestock productivity by implementing tailored management strategies based on data trends.

**Data Entry Clerk**                                                                                        **April 2019 - July 2019**

**Kenya Medical and Education Trust (KISUMU)**
- Cleaned and organized data for over 1,500 records, enhancing the accuracy of maternal health research data by 20%, vital for improving health facilities' conditions.

## Education

**Bachelor of Science in Information Technology**                                                        **March 2022**

**University of Kabianga.**

Curriculum Highlights:
- **Software Development**: Developed applications using C, C++, and Java, undertaking projects that enhanced programming proficiency.
- **Web Development**: Built responsive websites utilizing HTML, CSS, and PHP through hands-on projects.
- **IT Ethics**: Explored the role of ethics in technology, focusing on privacy, data protection, and professional responsibilities.
- **Cybersecurity**: Studied various security measures, including intrusion detection systems, and learned to implement best practices for protecting information.

## Certifications
- **Introduction to Python Programming for Data Science**, Dataquest.io, December 2024, AIY8IMX9DXP8NM8NHM4P

### Referees
- **Apeles Ademba**          0724414978               -ICT Officer
- **Daniel Ojowi**             0731007252               -Head Of Chemistry Department
- **John Abong'o**             0724125704               -Pastoral Leader