Kigali City, Rwanda
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Joel Higiro

[LinkedIn Profile](#)
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Adept Software Engineer offering three-year record of achievement in technology industry. Driven to develop and maintain scalable, agile systems ready for changing market conditions. Diplomatic and progressive leader with sophisticated approach to building consensus and achieving targets.

Work Experience

Fullstack Software Engineer   **Yegobox Ltd.**   **Sep 2023 – Present**
Kigali, Rwanda

- Revamped the Flutter-based inventory management system 'Flipper" to streamline user experience; implemented new data management protocols that reduced data entry errors by 30% for a user base of 200+.
- Orchestrated the transformation of 'InboxAggregator," leveraging AWS capabilities to streamline social media management, resulting in a 40% reduction in response time and the integration of 2 major social media messaging systems.
- Directed pivotal financial operations and encompassing meticulous budgeting; spearheaded plans to pitch solutions to acquire funding.

Fullstack Software Engineer Intern   **Yegobox Ltd.**   **May 2023 - Sep 2023**
Kigali, Rwanda

- Implemented key enhancements and new features in "Flipper," with the aim of increased productivity and improved inventory control for clients, leading to positive user feedback and higher customer satisfaction.
- Enhanced and maintained the "Inbox Aggregator" inbox aggregation and management system.
- Actively engaged with stakeholders, including product managers and end-users, to gather feedback, understand requirements, and effectively communicate project progress, ensuring alignment with business goals and delivering a user-centric inventory management system.

Software Development Intern   **University of Rwanda**   **Mar 2021 - Aug 2021**
Kigali, Rwanda

- Pioneered the development of a bespoke event space and expense management system for Kigali Convention and Exhibition Village integrating React, Node.js, and Express.js; achieved a 50% reduction in processing time for event registrations and invoices, enhancing operational efficiency.

Freelance Software Engineer   **Self-employed**   **Jun 2020 - Jul 2022**
Kigali, Rwanda

- Designed and implemented a Python-based machine learning model incorporating computer vision features to detect facemasks with an 85% level of accuracy, resulting in a 80% reduction in non-compliance instances and enhancing public health standards.
- Crafted a robust PHP website to enhance village leaders' efficiency in data entry, sorting, and analysis, enabling seamless report generation; improved decision-making by 70% and increased project completion efficiency by 60%.
- Created an advanced machine learning model in Python and a mobile app in Java that successfully detects maize diseases through leaf images, boasting a 82% accuracy rate and providing farmers with critical insights for crop management strategies.

Education

- **M.Sc. in Information Technology,** Carnegie Mellon University, Rwanda.   **2022 - 2024**
- **B.Sc. with Hon. in Computer Science,** University of Rwanda, Rwanda.   **2017 - 2022**

Languages and Technologies

- **Languages**:   Java, Javascript, React, Vue, Node, Typescript, Python, Flask, PHP, Flutter, Dart, C#, C++
- **Technologies**:   MySQL, Postgres, MongoDB, AWS, Git, Docker, Kubernetes, Unity Game Engine, Unreal Game Engine

Certifications

- **Registered Scrum Master,** Scrum Inc.   **Nov 2022**
- **Kaspersky Cybersecurity Basics Rwanda,** Kaspersky   **Nov 2021**
- **Malware Analysis Rwanda,** Kaspersky   **Nov 2021**
- **Programming Workshop for Scientists in Africa,** University of Glasgow   **Aug 2019**