

# Ndahiro Loic

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## Skills

- Java | JavaScript | TypeScript | MySQL | Node | Express | React | Vue | Redux | NoSQL | Git | React Native | UI/UX Design | Bootstrap
- Azure | Cloud Computing | CI/CD | XUnit | Jest | Nightwatch | Unit Testing | OOP | Tailwind Css | Flutter
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English, French, Swahili, Kinyarwanda– *All professional proficiency or above*

## Experience

### Mobile Application Developer

ETix

Kigali, Rwanda 06/2023 - 08/2024

- Led the development of **ETix**, a digital ticketing platform for bus transportation in Rwanda, enabling users to purchase tickets online, providing real-time bus tracking, QR code verification, and secure payment options, streamlining the travel experience for passengers.
- **Integrated third-party APIs** to facilitate online bus ticket booking, enhancing user experience and operational efficiency
- Developed features for **real-time bus tracking**, allowing users to monitor bus locations relative to their own.
- Implemented **QR code functionality** for ticket verification, streamlining the boarding process for passengers.
- Collaborated with **cross-functional teams** to gather user feedback and iteratively improve application features.
- Conducted thorough **testing** to ensure application quality, identifying and resolving bugs prior to release.
- Designed an intuitive **user interface** to enhance usability and accessibility for all users in Rwanda.

### FRONTEND Developer

SoundBox Inc

Kigali, Rwanda 06/2024 - 09/2024

- Led the development of **Soundbox Entertainment**, specializing in high-quality audio production and event management services, delivering immersive sound experiences for musicians, event organizers, and media companies.
- Created and implemented **responsive user interfaces** for the Soundbox application using React for component development and Tailwind CSS for styling to ensure a modern, accessible design.
- **Integrated APIs** to connect the frontend with the Spotify API, retrieving and displaying dynamic content such as music tracks, albums, and playlists, and effectively handling API requests and data presentation For Spotify users.
- Ensured smooth application performance by **optimizing loading times**, reducing lag, and improving overall performance, including efficient rendering and minimizing resource usage.
- Designed and implemented **error handling mechanisms** to manage issues gracefully, such as API rate limits or unavailable content, providing users with clear and helpful feedback.
- Collaborated closely with **UX/UI designers and backend developers** to align on design requirements and feature implementations, ensuring a cohesive and functional application
- Authentication using the Oauth protocol

### FULL STACK Developer

Nutritionist

Kigali, Rwanda 01/2023 - 07/2023

- Led the development of a **Nutritionists App**, helping users track dietary habits and receive personalized meal plans based on their health goals and nutritional needs.
- Developed a **user-friendly interface** using React Native, ensuring the app was intuitive and accessible on both Android and iOS platforms.
- **Integrated APIs** for real-time nutritional information, enabling users to receive accurate recommendations and track their daily intake of calories, macros, and micronutrients.
- Implemented a **meal planning system**, allowing users to customize their meal plans and receive recommendations tailored to their specific dietary needs and preferences.
- Collaborated with **nutrition experts** to gather accurate data and ensure the app's recommendations align with professional health standards.
- Ensured **smooth app performance** by optimizing resource usage, reducing lag, and improving response times, resulting in a seamless user experience.
- Conducted **thorough testing** to ensure the app's quality, identifying and resolving bugs prior to release, and gathering user feedback to improve features iteratively.
- **Combat Bots Cosmic Commander**: Mobile RTS game client and server development (ActionScript3 & Java)

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## Mobile developer (Internship)

### Code Alpha

Kigali, Rwanda

05/2024 - Present

- Selected for a mobile development internship at Code Alpha, focusing on designing, developing, and maintaining mobile applications.
- Collaborated with cross-functional teams to create user-friendly mobile solutions tailored to real-world client needs.
- Engaged in hands-on experience with modern mobile development frameworks, contributing to the full software development lifecycle from ideation to deployment.
- Participated in code reviews, bug tracking, and performance optimization to ensure high-quality, scalable applications.
- Gained practical knowledge of agile development practices, mobile UI/UX design, and version control systems.

## Education

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### A2 Diploma

### Rwanda Coding Academy

Nyabihu, Rwanda

2023 - 2025

- Software programming and Embedded systems

## Mentorship

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- **ThinkCyber LTD:** ThinkCyber's Entry Bundle is an exceptional resource for your institution to offer students a strong, hands-on foundation in the rapidly expanding field of cybersecurity.  
(07/2022 - Current)

## Others

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- **Certificate From Rwanda-Korean Exchange Hackathon:** Won a prize for participating in a Rwanda-Korean Exchange Program Hackathon. (06/2024)
- **Certificate From Code University:** Won a prize for participating in the Ideation and Prototyping lessons Program which taught us on how to create projects develop their prototypes and create their MVP's. (08/2024)