

NIYIDUHUMUGISHA EDEN

Software Developer

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Kigali, Rwanda

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eden-portfolio.com

Skills

Programming Languages: Java, JavaScript, Python, C++

Web Development: Fullstack Development (React, Node.js, Express)

Mobile Development: Flutter, React Native

Embedded Systems: C/C++, TensorFlow, OpenCV

Databases: MongoDB, MySQL, PostgreSQL

DevOps: Docker, Jenkins, AWS

Version Control: Git, GitHub

API Development: RESTful API, GraphQL

Experience

Sangwa's Community, Chicago / Software Developer

2022 – 2024, Remote

- Developed and maintained software solutions for organizations and entrepreneurs.
- Built full-stack web applications using React, Node.js, and MongoDB, improving operational efficiency.
- Enhanced application performance by 30% through optimized code and architecture.

MINIFRA (Ministry of Infrastructure) / Software Engineering Intern

2024, Kigali, Rwanda

- Designed and implemented software systems for optimizing infrastructure project management.
- Created interactive dashboards for real-time project monitoring and automated reporting.

Street Bridge / Project Manager

2021 – 2022, Kigali, Rwanda

- Led a team that developed software aimed at reintegrating street children into schools.
- Delivered user-focused platforms that improved community well-being and monitoring processes.

WiredIn / Software Engineering Intern

2023, Kigali, Rwanda

- Assisted in software development for international clients in finance and e-commerce sectors.
- Worked on delivering projects to clients in Japan, the USA, and Germany, ensuring timely completion.

Spring Initiative / Co-Founder

2023 – 2024, Kigali, Rwanda

- Empowered rural students through coding workshops, robotics training, and mentorship programs.
- Organized hackathons and STEM events impacting over 200 students.

Education

Rwanda Coding Academy / Software Development and Embedded Systems

Oct 2021 – Aug 2024, Rwanda

- Focused on software programming, embedded systems, and AI development.

Deep Learning Specialization / Coursera

2023, Online

- Studied Neural Networks, Convolutional Networks, and Sequence Models.

Arduino Programming and Embedded Systems / ARM Education Program

2023, Online

- Completed a course supported by ARM, focusing on Arduino-based embedded systems development.
- Learned to program microcontrollers, interface sensors, and build IoT applications using Arduino.

Awards

Co-Head of HerInTech Organization (2023): Empowered young women in tech by hosting workshops and training sessions on STEM-related topics.

Co-Founder of Spring Initiative (2023 – 2024): Designed and managed programs that introduced rural students to robotics and coding.

Project Team Lead, Rwanda Digital Solutions Alliance (RDSA) (2023): Led the development of a real-time driving assistance robot using GPS, GSM, and Raspberry Pi to enhance road safety and navigation.

Ideation and Prototyping Mentor (2023): Guided students in transforming ideas into actionable prototypes during hackathons and innovation challenges.

Street Bridge Developer Leader (2021 – 2022): Spearheaded the

development of software solutions to support street children
reintegration programs.

Head of UX/UI Design, Sangwa Community (2023): Led the design team
to create user-friendly interfaces for community-based digital platforms.

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Languages

- English:** Fluent
- Kinyarwanda:** Fluent
- French:** Standard
- Chinese:** Basic