

RUTEMBEZA YVES

 (250) 787 461 999 | yvesrutebeza@gmail.com |  [Github](#) |  [LinkedIn](#) | Rwanda - Kigali City

PROFILE

I am a computer/software engineer with three years of experience in software and hardware testing and development, specializing in programming languages and frameworks such as React/Next, TypeScript, Flutter, and Python. Passionate about learning technical tools, including system control using Arduino IDE programming. I am highly skilled in software design, development, and integration, committed to delivering quality work, and always seeking new challenges.

EDUCATION

Bachelor of Computer Engineering

University of Rwanda

Expected 2026

High School Diploma in Mathematics-Computer Science-Economics

E.S Kigoma

2018 - 2021

Grade: 70/73

EXPERIENCE

STES GROUP LTD

Training Program in Internet of Things (IoT)

2023

- Software and hardware development
- Embedded system microcontroller and microprocessors
- Arduino platform and communication protocols
- Integrated sensors and actuators to Arduino interfaces
- IoT communication protocols and connectivity setup
- Backend development, data visualization, and dashboard development
- Design thinking and prototyping

FAB LAB

IoT Certification Program 2024

- Hardware & communication
 - Database and IoT data management
 - Data analysis, visualization & AI including machine learning, computer vision, data visualization, IoT data analysis
 - Controlling data on clouds
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SKILLS

Programming Languages:

HTML, CSS, JavaScript, TypeScript, Java, C, C++, C#, Python, PHP

Frameworks:

React.js, Express.js, Angular, Node.js, Spring Boot, Flutter

Technologies:

Git & GitHub, RESTful APIs

Other Skills:

Hardware Repair and Maintenance, Network Setup and Configuration, Figma, Canva, WordPress, Microsoft Office, Blender, Adobe Photoshop & Illustrator

Soft Skills:

Problem-solving, Adaptability, Strong work ethic, Leadership skills

CERTIFICATIONS & ACHIEVEMENTS

- Cisco Networking Academy IT Essentials: Hardware and Software (2022)
 - Cisco Networking Academy Networks and Networking (2023)
 - freeCodeCamp Responsive Web Design (2023)
 - freeCodeCamp JavaScript Algorithms and Data Structures (2023)
 - FABLAB RWANDA IOT certification program (2024)
 - ALX AiCE - AI Career Essentials program(2024)
 - CMU Africa -bridge program IOT certificate(2025)
 - AI & Data Analytics Afretec certificate program (2025)
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PROJECTS

courseguild.com

CourseGuild | chiefs-operation-officer | courseguild.com

Working as a chiefs-operation-officer **of course guild which is** Online teaching courses platform locally based on empowering independent tutors to create and deliver courses to students. I work, develop and implement operational strategies that align with the team's goals and objectives to enhance productivity and efficiency.

Lead and manage the operation team, providing guidance and support to ensure high performance and achievement of targets.

UR-Asset Management Website

[GitHub Repo](#)

Contributor as a front-end developer. Building an iterative website using React.js, Redux, Axios, Tailwind CSS, and TypeScript for managing and protecting university assets at the University of Rwanda College of Science and Technology.