

VEDASTE NGIRUWONSANGA

Fullstack Developer | Innovator | Problem Solver

📍 Kigali, Rwanda

✉ ngiruwonsangavedaste6@gmail.com

☎ +250 796 962 532

🌐 ngiruwonsanga-protifolio.vercel.app

💻 github.com/NSANGA-01

🔗 linkedin.com/in/ngiruwonsanga-vedatse-4947283b3

🚗 Valid Driving Licence — Category B (Rwanda)

PROFESSIONAL SUMMARY

Passionate Fullstack Software Developer with hands-on experience architecting and delivering scalable web applications using JavaScript, TypeScript, Python, Go, and Java. Proven ability to lead engineering teams, improve application performance, and manage production cloud environments on AWS and Azure. Currently pursuing a Diploma in Software Engineering at UNILAK while actively engaged in internships, tech leadership, and independent software projects across Rwanda and Africa. Committed to writing clean, impactful code and mentoring the next generation of African developers.

PROFESSIONAL EXPERIENCE

Senior Fullstack Developer — Digital Solution Company

2023 – Present · Kigali, Rwanda

- Architected and built scalable web applications using TypeScript and Node.js, serving thousands of users.
- Led a team of 6 developers through structured GitHub workflows, code reviews, and agile sprint planning.
- Improved application performance by 35% through code optimization, database query tuning, and caching strategies (Redis).
- Managed production hosting environments on AWS and Azure, achieving zero-downtime deployments.
- Established CI/CD pipelines that reduced release cycle time by 50%, improving team delivery velocity.

Software Engineer — Africa Dream Company

2020 – 2023 · Kigali, Rwanda

- Developed and maintained RESTful APIs integrated with multiple third-party services and payment gateways.
- Collaborated with cross-functional teams (design, product, QA) to deliver features consistently ahead of schedule.
- Managed GitHub operations including pull request workflows, branch strategies, and continuous integration pipelines.
- Fostered team collaboration using GitHub Issues, Projects, and structured code review processes.

Vice President — ELX Club — UNILAK

2023 – Present · Kigali, Rwanda

- Elected Vice President of the ELX (Entrepreneurship & Leadership Experience) Club at the University of Lay Adventists of Kigali.
- Coordinate workshops, hackathons, and tech talks involving 50+ student members.
- Facilitate industry-academia collaboration to bridge the gap between academic learning and professional software practice.
- Organise coding challenges and mentorship sessions supporting junior developers in their growth.

Software Development Intern — ALX Africa Programme

2023 – Present · Remote / Kigali, Rwanda

- Completing ALX's intensive software engineering curriculum covering full-stack development, system design, and DevOps.
- Delivering practical projects in C, Python, JavaScript, and Shell scripting aligned with industry standards.
- Collaborating with a pan-African cohort of developers on peer-reviewed coding challenges and group projects.

Tech Intern — Harambe Entrepreneur Alliance

2023 – Present · Kigali, Rwanda

- Participating in Harambe's technology and entrepreneurship acceleration programme for African leaders.
- Developed web-based tools and automation scripts to support organisational operations.
- Engaged with a network of African innovators to explore technology-driven solutions to local challenges.

Software Development Intern — Umurava Internship Programme

2023 – Present · Kigali, Rwanda

- Gaining structured, industry-level experience in building and deploying full-stack web applications.
- Working on real client projects involving REST API development, database design, and frontend implementation.
- Applying agile/scrum methodologies in a team environment under senior engineer mentorship.

PROJECTS

AI-Enabled School Management System — Personal Project

2024 – Present · Kigali, Rwanda

- Tool to assist teachers in marking and evaluating students using AI to analyse academic performance and suggest improvements.
- Technologies: Python, Django, React, PostgreSQL, OpenAI API.

Bus & Car Booking System — Personal Project

2024 · Kigali, Rwanda

- Customer-facing platform for booking bus or car rides with real-time seat availability and payment integration.
- Technologies: Node.js, React, MongoDB, payment gateway API.

Bank Transaction Management System — Personal Project

2023 · Kigali, Rwanda

- Full-featured platform for managing bank accounts and large transactions with robust security, auditing, and reporting.
- Technologies: Node.js, Express, MongoDB, HTML, JavaScript.

Student Management System — Personal Project

2023 · Kigali, Rwanda

- Full-stack system to manage student records with CRUD operations, REST API, and role-based access.
- Technologies: Node.js, MongoDB, HTML, JavaScript, Python.

Simple Authentication System — Personal Project

2022 · Kigali, Rwanda

- Secure login and registration system with password encryption using Node.js, Express, and MongoDB.

EDUCATION

Diploma in Software Engineering (Current Student)

University of Lay Adventists of Kigali (UNILAK) · 2022 – Present

- Programming Fundamentals — Database Management Systems — Computer Networks
- Software Engineering Principles — Web Development — Operating Systems

Rwanda Secondary Education Certificate — Mathematics & Computer Science

Senior Secondary School (S4–S6) · Completed 2021

- Combination: Mathematics, Physics, Computer Science (MPC)
- Awarded Rwanda Secondary Education Certificate (RSEC) — A-Level equivalent

Rwanda Primary & Lower Secondary Certificate

Primary School & Senior Secondary (S1–S3) · Completed 2018

- Completed Rwanda Lower Secondary Certificate (O-Level equivalent)

TECHNICAL SKILLS

JavaScript (ES6+)	TypeScript	Python	Go
Java	React / Redux	Node.js / Express	Django
Spring Boot	Gin (Go)	MongoDB	PostgreSQL
Redis	MySQL	REST APIs	Git & GitHub
HTML5 / CSS3	Linux Terminal	Postman	VS Code
AWS / Azure	Docker (learning)	Agile / Scrum	CI/CD Pipelines

LANGUAGES

Kinyarwanda	<i>Native / C2</i>	■ ■ ■ ■ ■
English	<i>Professional / B2</i>	■ ■ ■ ■ □
French	<i>Intermediate / B1</i>	■ ■ ■ □ □
Swahili	<i>Intermediate / B1</i>	■ ■ ■ □ □

CERTIFICATIONS

- AWS Certified Developer – Associate (Amazon Web Services)
- Certified Scrum Master (CSM) — Scrum Alliance
- Fullstack Web Development — Coursera
- Digital Skills: Computing, Programming, Databases & Web Applications — Online Training
- ALX Software Engineering Programme (In Progress)
- Programming Fundamentals Certificate
- Web Development Certificate
- Git & GitHub Version Control Training

SOFT SKILLS

Problem Solving • Analytical Thinking • Team Leadership • Communication • Public Speaking • Mentorship • Continuous Learning • Time Management

OTHER INFORMATION

- Driving Licence: Valid Category B (Rwanda) — Personal vehicle operator
- Portfolio: <https://ngiruwonsanga-protifolio.vercel.app/>
- Open to relocation and remote opportunities across Africa and globally