

Arsene Muvunyi Nzivugira

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Software Engineer

Software engineer with a strong foundation in software development, embedded systems, and user-centered design. Experienced in developing web and mobile applications, system integrations, and inclusive technology solutions. Passionate about building reliable, real-world digital products that address meaningful problems.

WORK EXPERIENCE

Umucyo E-Procurement (Rwanda Public Procurement Authority) • 04/2026 - Present

UMUCYO is a single channel, portal and point of access for Rwanda procuring entities allowing to negotiate better contract terms and to realize savings and achieve value for money. It provides suppliers with increased access to markets without additional marketing efforts and a faster and more efficient method for quoting and increased order accuracy through receipt of electronic orders.

Backend Developer • Full-time

Working as a Backend Developer on Umucyo E-Procurement under RPPA.

Nuclear Energy Innovation Summit (NEISA-2026) - Cube Communications • 05/2026 - 05/2026

Cube Communications is a passionate, innovative Pan-African event design, production & event communications agency. In this case it planned and organized the NEISA 2026.

Backend and Mobile Developer • Freelancer

Contributed to the registration and accreditation system used, and built the mobile app used during the entire event.

AXK Ledger (Afrikabal) • 12/2025 - 03/2026

AXK Ledger is a programmable verification infrastructure for real-world economies. We unify IoT, GPS, inspections, climate data, and financial events into a tamper-proof event graph that powers automated settlement, risk scoring, insurance triggers, logistics verification, and government oversight.

Fullstack Developer • Full-time

Worked with a team of developers to build and deploy digital solutions for the global market.

Rwanda Information Society Authority (RISA) • 08/2025 - 12/2025

RISA is a government institution with the mission of digitizing the Rwandan society through increased usage of Information and Communication Technologies as a cross-cutting enabler for the development of other sectors spearheading Rwanda's digital and social economic transformation.

Fullstack Developer • Internship

Worked with a team of developers to build and deliver software solutions.

Mashirika Performing Arts And Media Company • 05/2024 – 07/2024

Mashirika Performing Arts And Media Company is a Rwanda-based creative hub and platform that empowers young African artists by showcasing their talents through visual arts, digital exhibitions, and storytelling all linked to their African roots.

Backend Developer • Part-time

Worked with a team of developers to built their platform as well as contribute to the digital arts section of the 2024 Ubumuntu Arts Festival

EDUCATION

Rwanda Coding Academy (RCA)

Software Programming and Embedded Systems • Nyabihu RN, Mukamira

SKILLS

- 3D Modeling
- Embedded Systems
- Presentation
- Cybersecurity
- Machine Learning
- Software Engineering
- DevOps
- Mobile Development

CERTIFICATIONS

3 Year iLead Program Graduate

iLead Program – John C. Maxwell

AWARDS & SCHOLARSHIPS

PicoCTF 5th Place National Winner • 05/2025

Carnegie Mellon University Africa(CMU Africa)

KOICA-RCA 2024 Hackathon Top 3 Projects • 10/2024

Korea International Cooperation Agency(KOICA)

PicoCTF 3rd Place National Winner • 05/2024

Carnegie Mellon University Africa(CMU Africa)

PROJECTS

ETix • 01/2024 – 08/2025

ETix Rwanda

ETix is a digital ticketing system designed to streamline bus transportation in Rwanda.

Conexus • 09/2024 – 08/2025

Brop Co

Conexus is a smart accessibility platform that bridges communication and mobility gaps for people with disabilities

VOLUNTEERING & LEADERSHIP

Red Cross Association

Red Cross Association Member

Received training to help with first aid in case of any health emergency.

KOICA

Workshop Trainee

Won most impactful idea in a Local Impact Solutions competition during the workshop.