# **MUGISHO MUTARUSHWA Stephan**

# Software Engineer

Portfolio

## **PROFILE**

Result-oriented Software Engineering graduate with a strong foundation in programming, algorithms, and data structures. Quick to learn, adaptable, and eager to contribute through internship or full-time opportunities while growing professionally

## **EDUCATION**

## Africa to Silicon Valley,

Coding Academy (Backed by Google) ≥

A2SVian with a strong foundation in Data Structures and Algorithms

02/2025 - Present Addis Abeba, Ethiopia

# Universite Libre des Pays des Grands lacs (ULPGL),

BSc in Software Engineering *⊘* 

• Reevelant Coursework: Programming Fundamentals, Data Structures & Algorithms, Software Engineering, Database Systems, Operating Systems, Computer Networks, Computer Architecture, Web & Mobile Development. 02/2021 - 09/2025 Goma, DRC

#### PROFESSIONAL EXPERIENCE

## Software Engineer Intern,

Bittwok Technologie Ltd &

07/2025 - Present Kigali, Rwanda

# As a Software Engineer at Bittwok Technologies, I contribute to building and optimizing MERN stack projects.

- Designed and implemented caching mechanisms to enhance website performance and scalability.
- Developed secure API access by integrating JWT authentication within Node.js/Express services.
- Collaborated with senior developers on MERN-based projects, improving system reliability and strengthening my skills in React, Node.js, and database management.

# Software Engineer Intern

Initiam 8

# As a Software Engineer Intern at Initiam, I supported the development of web applications and internal tools.

- · Assisted senior developers in building features and fixing issues across MERN stack projects.
- Contributed to testing, debugging, and documenting code to ensure smooth project delivery.
- Gained hands-on experience with React, Node.js, and collaborative workflows in an agile team environment.

06/2025 - 06/2025 Goma, Democratic Republic of Congo

## **PROJECTS**

Fit-track360 🔗

08/2025 - 09/2025

- Fit-track360 Backend API for Health and Wellness Management
- Collaborated on FitTrack360, a backend API project to manage users' health and activity data, contributing to delivering a secure and scalable solution within a 4week sprint.
- Assisted in implementing authentication and security measures using JWT, Bcrypt, Passport.js, Helmet.js, and CORS.
- Utilized Nest.js, TypeORM, and SQL while performing testing, debugging, and code reviews in close collaboration with the teammate.

**Urgence Care** *⊗* 11/2024 – 05/2025

Emergency Medical Geolocation Application

- Developed Urgence Care, a web application to facilitate emergency medical interventions and enable ambulances to quickly locate patients.
- Implemented role-based authentication, patient requests, hospital intervention acceptance, and real-time ambulance tracking.
- Utilized React.js, TailwindCSS, Node.js, Express.js, MongoDB, and Neo4j while performing testing, debugging, and optimization for a reliable full-stack application.

## LEADERSHIP AND EXTRACURRICULAR

## Member of the Computer Engineering Department, Gesi Technologie ∂

- Assisted the department in developing and maintaining internal IT systems, troubleshooting technical issues, and supporting workflow optimization.
- Contributed to improving IT operations, ensuring smooth use of digital tools, and gaining practical experience in system management and collaborative problemsolving.

02/2024 - 07/2025 Goma, Democratic Republic of Congo

# **ACHIEVEMENTS**

## EclosionHack 2024, Major League Hacking

- A hackathon organized by the French Embassy in DRC at Eclosion Hub, focused on applying new technologies in the fields of art and culture.
- Developed a Figma prototype and an MVP for a local language learning application, including a 3D environment to immerse users in traditional cultures using virtual reality.

## **SKILLS**

Advanced: Javascript, Python

**Intermediate**: Node.js, React.js, MongoDB, MySql **Beginner**: PostgreSQL, Typescript, Nest.js