

Ngoga Serge

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SUMMARY

Passionate software developer skilled in **Spring Boot, React, and C#**, with hands-on experience in building and managing web applications, including **online voting systems and job application platforms**. Strong expertise in **UI/UX design with Figma** and **technical support troubleshooting**. Proficient in **PostgreSQL database management** and **secure authentication system implementation**. Highly adaptable, with excellent **problem-solving, teamwork, and learning abilities**. Enthusiastic about applying knowledge to real-world software development challenges.

PROJECTS

Library Management System

github.com/Ngogaserge/Library-app.git • October 2024 – December 2024

- Developed and **tested a library management system** to improve software reliability.
- Created **unit and integration test cases** for enhanced software stability.
- Utilized **PostgreSQL** for optimized data storage and retrieval.

Online Voting System

main.d3tcucdtfyahvp.amplifyapp.com • September 2024 – December 2024

- Developed a **secure and scalable voting platform** using **Spring Boot and React**.
- Implemented **Role-Based Access Control (RBAC)** to enhance authentication security.
- Integrated **GitHub and Gmail authentication** for streamlined user registration.

Breast Cancer Prediction

github.com/Ngogaserge/Breast-cancer-prediction.git • March 2024 – July 2024

- Engineered a machine learning model for breast cancer prediction, achieving 92% accuracy by leveraging advanced algorithms and integrating comprehensive datasets to improve early diagnosis rates.

CERTIFICATIONS

Networking Essentials

Cisco Networking Academy • 2024

- Demonstrates foundational knowledge of networking, including IP addressing, routing, switching, network security, and troubleshooting. Equips learners with essential skills for IT support, network administration, and cybersecurity, serving as a stepping stone for advanced Cisco certifications like CCNA.

Introduction to Network Operations

Internet Society • 2024

- Provided me with fundamental knowledge of network infrastructure, monitoring, troubleshooting, and security best practices. Develops essential skills for managing and maintaining network systems, preparing for roles in IT support, network administration, and cybersecurity.

EDUCATION

Diploma in Software Engineering

Adventist University of Central Africa • Kigali, Rwanda • 2024

Advanced Level Diploma

Lycee de Kigali • Kigali, Rwanda • 2021

SKILLS

Language: Python, Java, C, C#, JavaScript, TypeScript, HTML, CSS

DevOps & Cloud: AWS, Azure, Kubernetes, Helm, Docker, Istio

Databases: Redis, MySQL, Firebase, PostgreSQL, MongoDB

Framework: Django, Spring, React, NextJS, Flask, BootStrap, Tailwind

Technical Support: Troubleshooting, debugging, system maintenance