Hugues NGABONZIZA

Personal details

Hugues NGABONZIZA

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Male

Rwanda

Unmarried

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Skills

Programming Skills

Cybersecurity & Ethical Hacking

UI/UX Design

Project Management

Leadership Skills

Communication Skills

Cultural Sensitivity

Languages

English

Profile

Empowered leader, Cybersecurity Engineer, and Software Engineer with exceptional IT and communication skills. A passionate advocate for refugee support and community development, with a proven track record of initiating and leading transformative projects that uplift underserved communities. Committed to driving positive change through innovation, leadership, and collaboration. Seeking opportunities to further my knowledge and expand my impact by integrating technology, security, and advocacy to build a safer, more inclusive future.

Education

Bachelors in Information Technology | Software Engineering   **Jan 2023 - Dec 2026**

Adventist University of Central Africa

- Classified in Grand Distinction, one of the top 6 students out of 409 in my graduating class, with 6 months left to complete my degree.

High School Diploma   **Jan 2017 - Dec 2022**

Gahogo Adventist Academy

- Graduated high school as the top student in my school and ranked 5th nationally, achieving a historic academic record, the first and only student to date to attain such a ranking. Demonstrated excellence in Mathematics, Computer Science, and Economics, alongside strong leadership, problem-solving, and entrepreneurial skills.

Primary School Certificate   **Jan 2015 - Dec 2015**

Ecole Primaire Gasaka

- Graduated among the top 20 students in the school, demonstrating academic excellence and a strong commitment to learning.

Employment

Head Of IT Department   **Apr 2023 - Dec 2024**

Kasah Technologies

1. I led the IT department with a clear mission: to make technology work smarter for the business. I took full ownership of system security, strengthened the network infrastructure, and oversaw all software development efforts. One of my biggest achievements was designing and building a fully integrated company website and an internal system that digitally recorded and managed employee data and participation. This wasn't just a technical upgrade, it brought transparency, saved time, and helped align IT systems with company goals. As a result, the company's asset performance jumped from 62% to 77.9% because of good technology we decided to use. I didn't do it alone, I built and led a skilled team, encouraged innovation, and made sure everything we implemented was secure, efficient, and future-proof. Everything I worked on was rooted in integrity, purpose, and a drive to create lasting value.
2. Built a fault-tolerant, user-friendly selling system that enables the company to sell products directly to customers without requiring physical interaction, I am happy to say that the system still in active use today.

Swahili

Kinyarwanda

Hobbies

- Coding

- Hiking

- Hooping

- Reading science fiction Books

Qualities

- Team Leadership

- Communication

- Problem Solving

- Critical Thinking

- Time Management

- Creativity

- Collaboration

- Adaptability

- Empathy

- Self-Motivation

Tech in Youth Coordinator | Refugee Community Program   **Jan 2022 - Feb 2024**

Save The Youth

- Developed and led technology workshops designed to equip youth in the refugee community with essential digital skills.
- Launched outreach programs to engage young refugees and raise awareness about available tech resources and educational opportunities.
- Partnered with local schools and NGOs to integrate technology into youth development programs, boosting both educational engagement and outcomes.

Co-Founder & Leader   **Jan 2020 - Dec 2022**

Gahogo Charity Foundation

- Established a charity foundation to support students and individuals in the Muhanga community affected by the COVID-19 pandemic.
- Led successful fundraising campaigns and organized community outreach programs, significantly increasing support and resources for those in need.
- Implemented educational and health initiatives to improve the well-being of refugees and underserved populations.
- The foundation's impact attracted multiple sponsors to the school, boosting its economy and expanding opportunities for students.

Certificates

Networking Essentials   **Present**

through the Cisco Networking Academy program.

- Completed Networking Essentials course through the Cisco Networking Academy, enhancing foundational knowledge of network design and troubleshooting.
- Achieved hands-on experience in configuring network devices and addressing connectivity issues using industry-standard tools and protocols.
- Developed a comprehensive understanding of networking principles, including routing and switching concepts, subnetting, and IP addressing.
- Successfully implemented a secure networking environment through diverse security measures and practices taught in the course.
- Participated in collaborative projects that simulated real-world networking challenges, improving teamwork and problem-solving skills in a technological context.
- Passed the Networking Essentials certification examination, validating expertise in essential network management and operational strategies.
- Collaborated on projects to design and implement scalable network solutions, improving data flow and reducing latency by 25%.

Operating Systems Basics   **Present**

- Introduction to Operating Systems Concepts
- Understanding Process Management and Scheduling
- Exploring Memory Management Techniques
- Learning File Systems and Storage Management
- Basics of System Security and User Management
- Overview of Networking and Communication Protocols in Operating Systems
- Advanced Topics in System Security for Operating Systems
- Fundamentals of Operating System Architecture
- Hands-on Workshop: Configuring and Managing Operating Systems
- Troubleshooting and Debugging Operating System Issues
- Operating Systems Installation and Configuration

- Operating System Virtualization Techniques

Introduction to Network Operations (NetOps I)   **Present**
- Effectively learned to optimize network performance through congestion management and traffic analysis techniques vital for business operations.
- Gained foundational skills in network protocols and architectures essential for ensuring seamless communication in diverse IT environments.
- Explored effective network security measures tailored for enhancing cybersecurity posture in organizational contexts, including risk assessment methodologies.
- Achieved certification in Introduction to Network Operations, demonstrating proficiency in network management fundamentals specific to organizational needs.

Achievements

- Successfully led a team to enhance cybersecurity measures that supported business growth through innovative IT solutions.
- Established outreach programs that effectively engaged young refugees, promoting technology resources and educational opportunities.
- Developed a system software for managing employee data and participation levels, significantly improving operational efficiency and aligning with company (SAVE THE YOUTH RWANDA) objectives.
- Coordinated and executed technology workshops in the refugee community, empowering youth with vital digital skills.
- Graduated with Grand Distinction, securing a spot among the top 6 students out of 409 in a highly competitive Bachelor's program, demonstrating exceptional skill in Software Engineering.
- Achieved a historic academic record as the top student in high school, ranking 5th nationally in Mathematics, Computer Science, and Economics.

Courses

CyberSecurity
- Executed cybersecurity audits to assess vulnerabilities and ensure compliance with regulatory standards.
- Conducted penetration testing and vulnerability assessments to strengthen system defenses and protect sensitive data.
- Led cyber awareness workshops for employees, fostering a culture of security and promoting best practices in digital safety.

Artificial Intelligence
- Implemented machine learning algorithms to enhance cybersecurity measures within the organization.
- Conducted workshops on AI technologies for IT department staff, fostering a culture of innovation and continuous learning.
- Initiated AI-based analytics for tracking youth engagement in community programs, optimizing outreach strategies.
- Pioneered the use of AI tools to automate administrative tasks within the IT department, reducing processing time by 30%.
- Developed and implemented a predictive analytics model using AI to enhance employee performance tracking and efficiency.

Introduction to Linux
- Explored the Linux operating system architecture and its components,

emphasizing the kernel, shell, and file system structure.
- Gained a comprehensive understanding of the Linux command line tools and utilities, enabling effective system management and troubleshooting.
- Conducted in-depth research on Linux security practices, focusing on firewall configuration, intrusion detection, and system hardening techniques.
- Developed advanced shell scripting techniques for automating system administration tasks, enhancing operational efficiency.
- Investigated open-source software applications compatible with Linux, supporting the development of versatile IT solutions.
- Collaborated on a project to set up a Linux-based web server, focusing on installation, configuration, and maintenance of server software.

DevOps
- Utilized containerization technologies like Docker and Kubernetes to enhance application scalability and resource management.
- Collaborated with cross-functional teams to establish best practices for DevOps, promoting a culture of continuous improvement and collaboration.
- Optimized cloud infrastructure on platforms like AWS, resulting in a decrease in operational costs and improved performance.
- Led the implementation of automated infrastructure provisioning using Infrastructure as Code (IaC) tools, enhancing deployment speed and consistency.

Kigali, April 24, 2025

References

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