

Daniel Ishimwe

Junior Security Engineer — Systems & Infrastructure

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Profile

Security-focused Systems Engineer with enterprise experience in infrastructure, database administration, and secure system operations. Currently pursuing a Master in Cybersecurity at ULB, with practical exposure to system hardening, log analysis, vulnerability assessment, and secure infrastructure management. Experienced in Linux and Windows environments, high-availability systems, and secure configuration of enterprise platforms. Active participant in Cybersecurity Challenge Belgium and SANS NetWars, with strong analytical and incident investigation mindset.

Key Skills

Cybersecurity: System hardening, secure configuration, vulnerability assessment, log analysis, incident investigation, access control management, network security fundamentals, CTF exploitation techniques, cryptography fundamentals, risk assessment

Systems & Infrastructure Engineering: IBM Power Systems, FlashSystem and Storwize storage, high availability design, infrastructure monitoring, system upgrades, secure online voting systems

Cloud & Virtualization: IBM Hybrid Multicloud, VMware, VirtualBox, Firebase ecosystem, cloud integration concepts

DevOps & Tools: Git, Docker, Vagrant, Ansible, Linux server management, deployment workflows, DNS configuration, domain hosting

Programming & Software Development: C, C++, Python, Java, JavaScript, PHP, HTML, CSS, Flask, React, Next.js, backend API development, automation scripting

Databases: MySQL, MariaDB, PostgreSQL, MongoDB, database design, performance tuning, data integrity validation

Security Projects

Home security lab with virtualized Linux and Windows environments for log analysis and attack simulation.

CTF challenges focused on web exploitation, cryptography, and network analysis.

Professional Experience

KU Leuven – COSIC

IT Specialist

Leuven, Belgium

Nov 2023 – Nov 2025

- Implemented system hardening and secure configurations across Linux and Windows environments.
- Managed secure infrastructure supporting research services and online voting systems.
- Enforced database access control policies and improved performance reliability.
- Contributed to operational security validation and system integrity checks.
- Investigated and resolved infrastructure and security-related incidents under time constraints.

Rwanda Revenue Authority

EBM IT Officer

Kigali, Rwanda

Sept 2020 – Jan 2023

- Installed and configured the Electronic Billing Machine (EBM) software for tax collection.
- Managed and maintained databases, ensuring data accuracy and compliance.
- Conducted local audits and validated data integrity.
- Ensured systems reported data seamlessly into centralized databases.
- Provided customer support and resolved software/system issues.

Mitra Systems

System Engineer

Blantyre, Malawi

Nov 2019 – June 2020

- Installed, configured, and maintained IBM Power Systems (Power7, POWER9) and Storwize/FlashSystem storage solutions.
- Performed system health checks, monitoring, and reporting.
- Supported system upgrades and preventive maintenance to ensure high availability.
- Designed and implemented storage and database configurations for scalability and reliability.
- Collaborated on SAP HANA deployments on IBM POWER platforms.

A to Z Technology Systems

Software Developer

Kigali, Rwanda
Dec 2014 – June 2016

- Developed and maintained software applications in multiple programming languages.
- Automated repetitive tasks using scripts to reduce manual workload.

Education

Université Libre de Bruxelles

Master of Cybersecurity

Belgium

Current

Parul University

Bachelor of Computer Application (First Class with Distinction)

India

2019

Groupe Scolaire de La Salle

High School Diploma (Distinction)

Rwanda

2014

Certifications & Badges

Certifications

CompTIA CASP (Course Completion – Cybrary)

Cisco CCNA (Course Completion – Cybrary)

Linux System Administration – Global Knowledge

Intro to Malware Analysis and Reverse Engineering

IBM Power Systems and Enterprise Storage Certifications

Languages

English: Fluent

French: B2

Dutch: B1

Competitions

Cybersecurity Challenge Belgium

SANS Institute Core NetWars Continuous Play