

## **THEOPHILE NKINDI RUBONEKA**

Head of IT Infrastructure, Cloud & Solutions | Datacenter & Project Expert | FinTech & Telecom Systems Engineer | Kigali, Rwanda | [utheophile2@gmail.com](mailto:utheophile2@gmail.com) | +250 788 306 297

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### **PROFESSIONAL SUMMARY**

Visionary IT Infrastructure Leader with 9+ years of experience managing enterprise-grade infrastructure and Datacenter solutions across telecom, banking, and fintech environments. Proven expertise in designing and implementing high-availability systems, driving digital transformation, and ensuring compliance with financial and regulatory standards. Skilled at leading cross-functional teams, optimizing IT operations, and architecting secure, scalable solutions that power business growth.

### **CORE COMPETENCIES**

- Enterprise Infrastructure Architecture & Design
- Cloud & Virtualization (VMware, Hyper-V, RHEV, FusionCompute, Huawei Cloud Stack)
- Datacenter Design & Implementation (Tier III Standards)
- Business Continuity & Disaster Recovery (BC/DR)
- Financial Systems Compliance & IT Governance
- Project Management (Agile, Scrum, ITIL)
- Infrastructure Security & Risk Management
- Cost Optimization & Budget Control
- Digital Transformation Leadership

### **PROFESSIONAL EXPERIENCE**

#### **Huawei Technologies (Rwanda) Ltd**

##### **➤ Head of IT Infrastructure, Cloud & Solutions | Jun 2025 – Present**

- Provide strategic leadership for infrastructure, cloud, and solution delivery across telecom and enterprise sectors.
- Architect secure and high-availability infrastructure solutions aligned with business and compliance requirements.
- Lead modernization initiatives to enhance scalability, performance, and operational resilience.
- Oversee vendor partnerships, contracts, and service delivery for enterprise and government clients.
- Ensure business continuity through proactive capacity planning, risk mitigation, and DR strategy

execution.

➤ **IT Infrastructure & Enablement Lead Engineer | Jun 2024 – May 2025**

- Led the design and deployment of large-scale infrastructure solutions for clients such as MTN, Airtel, BPR, BNR, and NCBA.
- Managed end-to-end systems integration between partners and Huawei platforms.
- Championed cloud adoption and automation to improve operational efficiency.
- Coordinated multi-vendor projects, ensuring adherence to SLAs, timelines, and compliance standards.

**Bank of Kigali Plc**

➤ **Senior Storage & System Administration Engineer | Feb 2018 – May 2024**

- Oversaw enterprise IT infrastructure supporting mission-critical financial services operations, ensuring optimal system uptime and regulatory compliance.
- Led infrastructure projects and system integrations for fintech and payment systems, including Indigo Card, Postilion switch upgrade, mobile banking, and e-banking platform modernization.
- Collaborated with software and fintech vendors to ensure seamless integration between internal systems and third-party payment solutions.
- Administered enterprise storage (NetApp, EMC) and backup (Veeam) systems, ensuring data integrity and business continuity.
- Designed and implemented disaster recovery and business continuity frameworks for financial applications and

➤ **Played a key leadership role in modernizing enterprise financial infrastructure supporting national banking operations and large-scale digital transformation initiatives.**

**Strategic Contributions:**

- Played a critical role in the digital transformation and migration of the Core Banking System (CBS) from Sopra Banking to T24 R20, ensuring full infrastructure readiness, seamless system integration, high availability, and regulatory compliance during transition.
- Led infrastructure architecture, capacity planning, and environment preparation for T24 R20 across production and disaster recovery sites.
- Directed storage, virtualization, and performance optimization strategies to support mission-critical core banking workloads.
- Collaborated with application, fintech, and vendor teams to ensure smooth data migration, interoperability, and minimal operational disruption.
- Designed and implemented disaster recovery and business continuity frameworks ensuring 99.99% system availability.

- Led infrastructure projects supporting Indigo Card system, Postilion switch upgrade, mobile banking, and e-banking modernization.
- Ensured compliance with financial regulatory and audit requirements.
- Chaired infrastructure procurement, vendor evaluation, and technology governance committees.
- Drove migration toward virtualized and cloud-ready infrastructure supporting digital banking expansion

## **CAVA Construction Ltd**

### **➤ IT Manager | Aug 2016 – Jan 2018**

- Directed IT strategy development and systems implementation for corporate operations.
- Managed technology budgets, vendor relationships, and system performance optimization.
- Conducted audits and ensured compliance with internal and external IT standards.

## **EDUCATION**

- MSc in Project Management – University of Kigali
- BSc in Electronic & Communication Systems Engineering – University of Rwanda
- Advanced Certificate in Electronics & Telecom – Ecole Technique St Augustin Mibirizi

## **CERTIFICATIONS & TRAININGS**

- Agile Project Management & Scrum Master
- Veeam Backup & Restoration
- NetApp Storage & Data Protection
- ITIL Foundation (Service Management)
- Fortinet NSE1 & NSE2
- Hyper-V & Red Hat Virtualization

## KEY PROJECTS

### Rwanda Smart Education Phase II

**Role:** Infrastructure & Solutions Lead

**Company:** Huawei Technologies

**Duration:** Jun 2024 – Present

The Rwanda Smart Education Project is a national ICT initiative supported by a **USD 30 million concessional loan from the Exim Bank of China**, aimed at strengthening Rwanda's education digital infrastructure.

#### Key Contributions:

- Led infrastructure solution design for the national **Smart Education platform and network architecture** installed in Teer III Datacenter of 2 Sites Kigali & Huye
- Supported deployment of **cloud-enabled education platforms** to facilitate digital learning and content sharing.
- Contributed to the implementation of **dedicated education network infrastructure** connecting learning institutions.
- Enabled scalable **data storage, server infrastructure, and network backbone systems** supporting digital education services.
- Collaborated with government stakeholders to ensure alignment with **national ICT strategy and education digitalization goals**.

#### Technologies & Skills:

Cloud Computing • Server Administration • Storage Management • Network Infrastructure • Datacenter Architecture • Technical Solution Design

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### MTN Rwanda – Storage Modernization & Expansion

**Role:** Infrastructure Solutions Engineer

**Company:** Huawei Technologies

**Duration:** Jun 2024 – Aug 2024

Infrastructure modernization project focused on expanding MTN Rwanda's enterprise storage platform to improve scalability, performance, and data protection.

#### Key Contributions:

- Designed a **scalable enterprise storage architecture using Huawei OceanStor platforms**.
- Deployed and configured **Huawei OceanStor Dorado SAN/NAS systems** including models 5000, 5510, 6000, and 8000.
- Performed **data migration and storage consolidation using Huawei Data Management Engine (DME)**.
- Optimized storage performance through **SmartTier automation and SmartKit tools**.
- Implemented **data protection and encryption mechanisms** for secure storage operations.
- Monitored and maintained storage infrastructure using **Huawei eSight management platform**.

#### Technologies & Skills:

SAN • NAS • Storage Architecture • Huawei OceanStor • Data Migration • Enterprise Storage Administration

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## **Tier III Datacenter Implementation – Primary & Disaster Recovery Sites**

**Role:** IT Project Lead – Datacenter Implementation

**Organization:** Bank of Kigali

**Duration:** Dec 2021 – Sep 2023

Led the implementation of **Tier III compliant data centers** for the Primary Data Center (PDC) at the Head Office and the Disaster Recovery (DR) site in Muhanga.

Key Contributions:

- Directed the **full lifecycle implementation of Tier III data center infrastructure**, ensuring redundancy and high availability.
- Designed and supervised deployment of **power systems including utility supply integration, generators, and power distribution panels.**(Vertiv Branded
- Implemented **N+1 redundancy architecture** for power and cooling components to ensure concurrent maintainability.
- Managed installation of **UPS systems(Vertiv), rack power distribution units (PDU), and dual power supply infrastructure for servers.**
- Coordinated deployment of **server racks(Vertiv), network infrastructure(Cisco), and storage systems(Netapp)** within the new data center facilities.
- Ensured compliance with **Tier III standards including redundancy, uptime requirements, and disaster recovery readiness.**

**Technologies & Infrastructure:**

Tier III Data Center Architecture • UPS Systems • Power Distribution • Backup Generators • Server(DELL&IBM servers) •Racks • High Availability Infrastructure

## REFERENCES

- Solomon Fundi|Manager IT Infrastructure&Automation services – MTN Rwanda |  
Solomon.Fundi@mtn.com
- Jean Claude Habinshuti Senior Manager Datacenter Administration – Bank of Kigali |  
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- Eric Niyitanga Regional| Technical Director– Huawei Rwanda | eric.niyitanga@h-partners.com