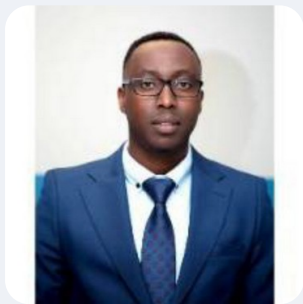




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vestlux.com
infra.vestlux.com
github.com/Philkaran/polaris

CERTIFICATIONS

In progress

- Microsoft Azure Administrator Associate (AZ-104)

Vendor, earned

- MikroTik MTCNA (2018)
- MikroTik MTCRE (2019)
- Cambium cnPilot (2018)
- Cambium ePMP (2018)
- Yeastar Certified Technician (2018)

Vendor validity periods have ended.

Training completed

- MikroTik online courses: 8 courses, 51.5 hours (2018 to 2020)
- Linux Mastery, 11.5 hours (2020)

CORE SKILLS

Windows & Identity

- Windows Server 2022
- Active Directory (users, groups, OUs, GPOs)
- DNS, DHCP, WDS
- Microsoft Entra ID and Azure RBAC (lab)

Virtualization & Storage

- Hyper-V
- VMware vSphere / ESXi
- Proxmox VE
- Storage, clustering and NAS

Cloud & Hybrid

- Microsoft Azure (AZ-104 track, in progress)
- Microsoft 365 / Exchange Online (training level)
- Exchange Server 2019
- AWS fundamentals

PHILBERT KARANGWA

Systems & Networks Administrator

Windows Server · Virtualization · Networking · Microsoft Azure (in progress)

PROFESSIONAL SUMMARY

Systems and networks administrator with 7 years in IT operations, 4+ of them in ISP and network engineering in South Africa, including more than three years as High Level Support Engineer at Screamer Telecoms. In 2025 and 2026 I trained in Belgium at Technobel, where I built and secured a Windows Server, Active Directory and Hyper-V environment with Veeam backup and firewall protection. I am now extending that work into Project Polaris, a hybrid Azure lab documented in public, while working toward the Azure Administrator certification (AZ-104). Based in Arlon, Belgium, and open to roles in Belgium and Luxembourg.

KEY PROJECT

Enterprise Hybrid Infrastructure Build, Technobel Final Project

2025 to 2026

Technobel, Ciney, Belgium

- Designed and deployed a complete enterprise-grade hybrid IT environment from a blank start: a Windows Server 2022 domain controller with Active Directory, with all user accounts provisioned exclusively through PowerShell
- Joined and fully patched Windows 10 client VMs to the domain, and automated operating system deployment with Windows Deployment Services (WDS)
- Hardened endpoints with ESET antivirus across all domain-joined machines
- Built a virtualized Hyper-V environment protected by Veeam Backup & Replication, with NAS-based backup storage and Azure replication planned
- Enforced network security with Fortinet and Check Point firewalls, set up centralized monitoring with PRTG, and deployed an internally scoped Azure web server (no public exposure) as a first step toward Microsoft 365 and Exchange Online synchronization

CURRENTLY BUILDING: PROJECT POLARIS

A public hybrid Azure lab, documented as the work happens: architecture decision records, runbooks and a weekly build log at infra.vestlux.com and github.com/Philkaran/polaris. Started September 2026.

- **Done so far:** Azure resource hierarchy, regions, availability zones and resilience design; Entra ID and RBAC built and tested in a real tenant through the portal, Azure CLI and PowerShell, with read-only access proved by a real authorization failure
- **Planned:** Azure Policy and governance, hybrid identity with Entra Connect and Conditional Access, networking and VPN, backup and disaster recovery, Bicep and Terraform, Microsoft Sentinel and Defender for Cloud
- **Certification path:** AZ-104 (in progress), then SC-300, SC-500, AZ-305 and SC-100

CORE SKILLS (CONTINUED)

Backup & Monitoring

- Veeam Backup & Replication
- PRTG Network Monitor
- Zabbix, SNMP

Security

- Fortinet and Check Point firewalls
- ESET antivirus
- Firewall policy design

Networking (ISP background)

- Static routing, OSPF, RIP, BGP (intermediate)
- VLANs, QoS, VPN, failover and load balancing
- MikroTik, Cambium, Ubiquiti
- PtP and PtMP wireless

EDUCATION

Systems, Infrastructure & Cloud Administration

Technobel, Ciney, Belgium

Apr 2025 to Feb 2026

Enterprise networking, Windows Server 2022, Exchange 2019, virtualization, storage and clustering, Fortinet and Check Point, Microsoft 365, Azure, AWS fundamentals and Linux. See the key project.

Bachelor of Science in Information Technology

Atlantic International University, Hawaii, USA

Jan 2018 to Jun 2021

Software development, relational databases, computer networks, routing and switching, network security concepts, Windows administration.

LANGUAGES

English, C1 (professional)

French, C1 (professional)

Kinyarwanda, native

Kirundi, native

STRENGTHS

Documentation-oriented, methodical, analytical, clear communicator, stress-resistant, team-oriented

PROFESSIONAL EXPERIENCE

Relocation to Belgium

Sep 2022 to Mar 2025

Administrative settlement

Network Engineer

Jan 2022 to May 2022

Quick Connect Wireless, South Africa

- Led the installation of internet connectivity for 109 primary and secondary schools across South Africa, covering wireless infrastructure installation, configuration, testing and documentation handover

High Level Support Engineer

Sep 2018 to Dec 2021

Screamer Telecoms, South Africa

- Initiated and led a Cambium project: designed, configured and deployed all company Cambium sectors and subscriber modules onto a single cnMaestro monitoring system
- Primary engineer for failover, load balancing and firewall configuration for corporate clients
- Acted as technical support manager on a daily basis, handling difficult client cases through to permanent fixes, and sourced and negotiated new high sites through site visits
- Operated ISP core and access infrastructure, including routing, switching and QoS, and ran monitoring with Zabbix and SNMP, resolving incidents against SLA targets across MikroTik, Cambium, Huawei, Ubiquiti and Aviat equipment
- Trained network engineers, call-centre support agents and field technicians, and authored a step-by-step Cambium and MikroTik troubleshooting handbook, reviewed by a colleague

Junior Network Engineer

Mar 2018 to Aug 2018

Your Communications, South Africa

- Configured and installed MikroTik routers for voice and data, and configured Yeastar PBX systems, phones and Ubiquiti access points
- Applied bandwidth management (simple queues and queue tree), firewall, mangle and NAT rules, and monitored high sites while supporting clients

IT Support Technician

May 2017 to Mar 2018

Shepid Technologies, South Africa

- Configured MikroTik routers for internet access, bandwidth management, NAT, port forwarding, firewall and mangle rules
- Configured and deployed applications on Raspberry Pi devices for many high schools in KwaZulu-Natal, and set up Android devices

IT Support

May 2015 to Apr 2017

Excellence Laboratory Services, South Africa

- End-user and workstation support across laboratory and office environments: hardware maintenance, software installation, printers and peripherals, and email setup
- Supported the laboratory data-capture and billing systems, and maintained systems, backups and upgrades

References available on request.