

Shahied Rustin

Linux Systems Administrator | Infrastructure Engineer
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Professional Profile

Linux Systems Administrator and Computer Engineering graduate with 3+ years of practical experience in server infrastructure, virtualization, and network security. Specializing in RHEL/Debian environments, automation (Bash/Ansible), and cloud system design. Proven track record of designing scalable Linux solutions for SME clients and optimizing high-performance computing workloads. Currently preparing for RHCSA certification.

Technical Skills

Linux & Infrastructure:

- RHEL 9, Debian, Arch Linux, Systemd, SELinux, User Management, Bash Scripting.

Cloud & Virtualization:

- Docker, KVM/QEMU, AWS (EC2/S3 basics), Synology NAS, Proxmox.

Networking:

- TCP/IP Stack, DNS Management (CloudDNS), VPN Configuration (WireGuard/OpenVPN), UFW/Firewalld, Network Flow Optimisation.

Development:

- Python (Automation), Git/GitHub, CI/CD Pipelines, SQL/Neo4j.

Certifications

Red Hat Certified System Administrator (RHCSA)

In Progress (Expected Q2 2026)

Professional Experience

Linux Systems Administrator (Contract)

Rustin Systems | Jan 2022 – Present

- Designed and maintained Debian/Ubuntu server environments for SME clients, ensuring 99.9% uptime and secure remote access via SSH/VNC.
- Deployed containerized applications using Docker and Nginx reverse proxies, reducing hardware dependency by 40%.
- Automated system backups and security patching using custom Bash scripts and Cron jobs.
- Configured Synology NAS solutions for centralized data management and off-site disaster recovery.

Network Administrator

Muhammadiyah Pre-Primary School | Feb 2022 – Nov 2022

- Managed the campus network infrastructure, optimizing Wi-Fi coverage and LAN security for staff and administration.
- Administered Microsoft 365 user accounts, email policies, and endpoint security protocols.
- Performed hardware diagnostics and upgrades on fleet workstations, extending hardware lifecycle by 2 years.

Infrastructure Support Engineer (Project)

Hadjie Abdullah Solomon Family Trust | Oct 2022

- Deployed a fault-tolerant backup power system (UPS/Inverter integration) for critical network equipment.
- Implemented a Synology NAS private cloud with automated self-hosted email backups to ensure data continuity.

Engineering Projects

- **High-Performance AI Infrastructure:** Architected a video synthesis pipeline on Arch Linux, optimizing GPU scheduling via CUDA and Python to reduce rendering time by 96%.
- **Municipal Infrastructure Database:** Designed a Neo4j graph database to model complex public works dependencies, outperforming MySQL in query speed for deep-link relationships.

- **Enterprise Windows Server Roll-out:** Led a team of 10 to win 1st place in a technical deployment challenge. Managed the configuration of Active Directory, XRDP, and RustDesk, utilising virtualisation to simulate a scalable corporate network environment.
- **Secure Remote Access for Education:** Provisioned a headless Debian server gateway for university infrastructure, enabling secure remote VNC access for students via SSH tunneling.
- **Embedded Home Automation (HomeLab):** Designed and implemented a custom IoT ecosystem including NAS, IP surveillance, and power management. Utilised Docker containers for network-wide ad blocking and service orchestration.

Education

Bachelor of Engineering Technology in Computer Engineering (NQF 7)

Cape Peninsula University of Technology (CPUT) | Feb 2021 – Nov 2025