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
• Specialized in designing and maintaining high-availability Linux infrastructure for SME clients.
• **Infrastructure & Virtualization:** Provisioned and managed Debian/RHEL server environments, utilizing Docker for containerized application deployment and resource isolation.
• **Network Architecture:** Optimized network topology using Cisco, VyOS, and MikroTik equipment to reduce latency and ensure secure remote access via VPN/SSH tunneling.
• **Automation & Backup:** Engineered automated backup solutions using Bash scripting and Cron jobs, integrating Synology NAS for off-site disaster recovery.
• **Systems Integration:** Deployed NextJS/MERN web applications with Nginx reverse proxies and SSL termination.

Infrastructure Engineer and Systems Architect (Contract)
Hadjie Abdullah Solomon Family Trust | Oct 2022 – Present
• Architected a comprehensive digital transformation strategy, transitioning the organization from legacy infrastructure to a resilient, self-hosted ecosystem.
• **AI-Driven Security:** Orchestrated a containerized surveillance system using Docker and Frigate NVR on headless Debian, leveraging Raspberry Pi edge nodes for real-time object detection.
• **Network Security:** Secured remote site administration via WireGuard VPN tunneling and hardened MikroTik routing configurations to eliminate attack surface exposure.
• **Power Engineering:** Designed and fabricated a custom DC-DC power distribution system interfacing with EcoFlow units, guaranteeing 100% network uptime during grid instability.
• **Data Sovereignty:** Deployed a Synology NAS private cloud architecture with automated fleet backups, ensuring data integrity without reliance on public cloud subscriptions.

Full Stack Engineer & Infrastructure Consultant (Contract)
Admin Professional | Feb 2022 – Oct 2022

- Engineered a hybrid digital transformation strategy, combining modern web performance with physical operational resilience.
- **Business Continuity:** Designed and deployed a "Zero-Downtime" connectivity solution, integrating dedicated Network UPS systems to maintain Wi-Fi infrastructure during grid instability.
- **Full-Stack Development:** Architected a high-performance corporate platform using Next.js and React, delivering sub-second load times.
- **Identity Management:** Executed a complete domain migration and DNS configuration via Zoho Mail, establishing secure, branded communication channels.

Network Administrator (Freelance)

Muhammadeyah Pre-Primary School | Feb 2022 – Nov 2022

- Executed a holistic IT modernization strategy, stabilizing campus infrastructure and extending asset lifecycles to reduce capital expenditure.
- **Infrastructure Resilience:** Overhauled the campus network architecture, eliminating dead zones and deploying dedicated UPS power backup solutions to ensure continuous connectivity.
- **Asset Lifecycle Management:** Extended workstation hardware lifespan by an estimated 2 years through deep-level diagnostics and strategic component upgrades (SSD/RAM).
- **Cloud Administration:** Standardized the digital environment via Microsoft 365, configuring unified security policies and optimizing Windows 10/11 fleet performance.

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.
- **Secure Remote Access for Education:** Provisioned a headless Debian server gateway for university infrastructure, enabling secure remote VNC access for students via SSH tunneling.

Education

Bachelor of Engineering Technology in Computer Engineering (NQF 7)

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