


Sabrina de Rose

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Profile

Cloud & Network Engineering student (AWS Specialty) with 5 years' experience in training, operations, and customer service. **Certified in CompTIA A+, LPI Linux Essentials, and ITIL⁴ Foundations**, with hands-on expertise in *network configuration, system administration, and security hardening*. Skilled at troubleshooting complex systems, explaining technical concepts clearly, and delivering efficient solutions in both technical and customer-facing roles.

Work Experience

Oct 2020 – May 2025
Los Angeles, CA

Barista Trainer, Starbucks

- Trained and mentored new partners on beverage prep and customer service protocols
- Improved drive-thru and front-of-house efficiency; optimized workflows under high volume
- Supported seasonal campaign rollouts by training on new recipes and promotions
- Mentored junior staff to enhance service quality and compliance
- Coordinated cross-shift communications to maintain service consistency and ensure seamless handoffs between opening, mid, and closing teams

Jul 2019 – Mar 2020
Atlanta, GA

Student Volunteer, American Red Cross

- Helped coordinate on-campus blood drives; managed scheduling, donor flow, and station logistics
- Assisted with volunteer coordination and compliance processes

Education

Aug 2024 – Dec 2026
Salt Lake City, UT

BS Cloud & Network Engineering (AWS Specialization),

Western Governors University

Focused on designing, implementing, and managing secure, scalable cloud and network infrastructure. Coursework and labs emphasize AWS architecture, Linux/Windows administration, routing and switching, network security, virtualization, and automation. Includes preparation for industry certifications such as AWS Solutions Architect & CompTIA Network+/Security+

Technical Skills

Networking

Static & Dynamic Routing, DNS, DHCP, NAT, VLANs, IPv4/IPv6, Network Troubleshooting

Operating Systems

Linux (PopOS, Mint, Fedora, Arch, Raspberry Pi OS), Windows 11, Dual-Boot Configurations

Security & Hardening

SSH Key Authentication, OS & Application Hardening, Firewall Configuration (iptables, UFW), Disaster Recovery Procedures

Tools & Protocols

tcpdump, dig, nmcli, journalctl, Pi-hole, GRUB, OpenSSH, Bash Scripting, Git/GitHub (SSH workflows)

Certifications

Jul 01, 2025

ITIL⁴ Foundations, AXELOS

Certifies knowledge of IT service management best practices, including the ITIL service value system, continuous improvement, and alignment of IT services with business goals. Skills include incident/change management, service design, and stakeholder communication.

May 01, 2025

LPI Linux Essentials, Linux Professional Institute

Covers Linux fundamentals, command-line operations, open-source concepts, and system administration basics. Skills include CLI navigation, file system permissions, scripting, and Linux-based network configuration.

Feb 01, 2025

CompTIA A+, CompTIA

Validates foundational IT skills in hardware, operating systems, networking, troubleshooting, and security. Demonstrates ability to install/configure devices, resolve technical issues, secure endpoints, and support multi-OS environments

Projects

CCNA Static IP Routing Lab – Raspberry Pi Router

[GitHub Repo] [↗](#)

Configured a Raspberry Pi 5 as a NAT-enabled router to share internet between interfaces, troubleshoot asymmetric routing, and apply firewall rules, simulating enterprise routing scenarios aligned with CCNA networking objectives.

- Configured static IP addressing and NAT using **iptables** and **NetworkManager**
- Captured and analyzed traffic with **tcpdump** to resolve routing conflicts
- Applied firewall rules and verified connectivity across multiple protocols

DNS Resolution with Pi-hole – CCNA-Aligned Lab

[GitHub Repo] [↗](#)

Deployed a Pi-hole DNS server on Raspberry Pi with static IP, configured a Linux client for LAN-restricted DNS resolution, implemented DNS failover, and validated query flow via live logging.

- Deployed **Pi-hole** and configured LAN-only access via **iptables** rules
- Implemented DNS failover on Fedora client using **nmcli** configuration
- Validated DNS resolution with **dig** and monitored live query logs

System Monitoring & Remote Logging via SSH

[GitHub Repo] [↗](#)

Built a Bash-based automation script to remotely connect via SSH, gather system performance metrics, capture logs, and format them into timestamped Markdown for multi-host monitoring.

- Automated SSH login and command execution using **Bash scripting**
- Collected performance data with **Glances**, **htop**, and **dstat**
- Exported structured Markdown logs for system health audits

Secure SSH Hardening on Raspberry Pi

[GitHub Repo] [↗](#)

Hardened SSH access with public-key authentication, disabled password and root logins, and recovered administrative access via chroot after sudo lockdown, ensuring production-ready remote access security.

- Implemented **public key authentication** and disabled insecure access methods
- Adjusted **sshd_config** for hardened security posture
- Recovered sudo access via **chroot** environment on a secondary Linux system

Windows 11 Hardening & Dual Boot Recovery

[GitHub Repo] [↗](#)

Rebuilt a Windows 11 installation after USB creation failures and bootloader corruption, repaired GRUB for dual-boot with Linux, and applied telemetry and bloatware removal for system security.

- Created and tested recovery media with **Rufus** and Linux-based tools
- Repaired **GRUB** to restore dual-boot functionality with Arch Linux
- Applied Windows privacy and performance optimizations via **PowerShell**

Arch Linux Disaster Recovery from USB Corruption,

<https://github.com/sabrinaderose/arch-linux-recovery-from-usb-corruption>

Recovered an unbootable Arch Linux system after USB and EFI bootloader corruption, performing a full CLI-based reinstall, manual partitioning, and bootloader rebuild under time constraints.

- Rebuilt bootloader using **GRUB** and **rEFInd** from a live USB
- Partitioned and formatted disks via **cgdisk** and **mkfs** utilities
- Installed Arch Linux via **pacstrap** and configured networking from CLI