

Daniel Emelianenko

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Professional Summary

RHCSA & CCNA Certified Linux Systems Administrator with 6 years of experience architecting, automating, and securing bare metal and cloud infrastructure. Proven expertise in streamlining complex system workflows using Python, Bash, and Ansible, alongside deploying containerized microservices via Docker and Podman.

Technical Skills

- **Operating Systems & Virtualization:** Linux/Unix (RHEL/CentOS, Debian/Ubuntu, openSUSE), Windows Server, FreeBSD, Proxmox VE, VMware ESXi
- **Networking & Security:** Cisco Routing & Switching, OPNsense, TCP/IP, DNS/DHCP, VLANs, WireGuard, Reverse Proxies
- **Programming & Tools:** Python, Bash, Ansible, Docker/Podman, Git, GitLab CI/CD, Active Directory (AD)

Professional Experience

Technical Advisor | StarTech.com | Remote | May 2022 - Present

- Diagnose and resolve complex hardware, OS level (Linux/Windows), and interoperability escalations for ~55+ B2B/B2C clients weekly, ensuring rapid service restoration and strict lifecycle tracking via Dynamics 365.
- Architect tailored infrastructure solutions by conducting deep dive technical needs assessments, consistently providing consultative product recommendations that align with enterprise client requirements.
- Accelerate team wide resolution times by acting as an internal technical escalation point and actively authoring/updating troubleshooting documentation within the corporate MediaWiki.

Network Administrator | Summit Interconnect | Markham, Ontario, Canada | May 2020 - May 2022

- Co-managed IT operations for a PCB manufacturing facility, collaborating directly with the CTO and third party contractors to maintain complex network infrastructure and specialized machinery, ensuring near zero production downtime.
- Automated the deployment of Raspberry Pi fleet utilizing Ansible and custom Bash scripting, eliminating manual OS configuration to deploy a highly available live queue system that optimized production floor efficiency.
- Streamlined Identity and Access Management (IAM) by administrating Active Directory (AD) environment, managing user lifecycle provisioning, enforcing role based access control (RBAC), and resolving authentication escalations to minimize employee downtime.
- Mitigated organizational connectivity disruptions by rapidly diagnosing and resolving complex Layer 2 and Layer 3 network routing issues.

Homelab & Technical Projects

- **Network & Security Architecture:** Segmented physical network topology utilizing an OPNsense edge firewall, AdGuard/Unbound DNS, and a WireGuard VPN to enforce strict, least privilege remote access.
- **CI/CD Pipeline & VPS Administration:** Engineered a GitLab CI/CD pipeline to automate the deployment of a Hugo static site to a Linux VPS, utilizing Podman Quadlets to declaratively manage the Caddy web server container.
- **Infrastructure & Virtualization:** Engineered a Proxmox VE virtualization lab for continued learning, alongside a distinct bare-metal Debian server to securely host containerized Docker services behind an Nginx reverse proxy.
- **Python Programming & SQL databases:** Developed an asynchronous Python application utilizing a SQLite database and a lightweight Object Relational Mapper (ORM) to automate third-party API data retrieval.

Education & Certifications

- [Red Hat Certified System Administrator \(RHCSA\)](#) | Valid through 2029
- [Cisco Certified Network Associate \(CCNA\)](#) | Valid through 2027
- **Red Hat Certified Engineer (RHCE)** — *Expected 2026*
- **College Diploma in Computer Networking & Technical Support** | Seneca Polytechnic | Sept 2017 – Aug 2019