

##

Senior Linux & Windows Systems Administrator

Secret clearance (2024) · TS/SCI in progress

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13+

YEARS IN PRODUCTION
LINUX

170+

HOSTS UNDER
MANAGEMENT

95%

STIG COMPLIANCE, NEW
BUILDS

2

FLEETS AUTOMATED END TO
END

Senior Linux systems administrator who builds the automation that removes repeat work. Fleet-wide patching, compliance scanning, and provisioning pipelines across hundreds of Enterprise Linux and Ubuntu hosts in accredited and air-gapped environments. Known for calm incident response and for preventing repeat issues through strict standards and disciplined change management.

SELECTED IMPACT

- **Fleet patching, EL.** Delivered fleet-wide patch automation for ~90 Enterprise Linux hosts on Foreman/Katello pull-mode remote execution, with no standing privileged credential and no MFA exemption.
- **Fleet patching, Ubuntu.** Built the counterpart on self-hosted Canonical Landscape for an 80-host fleet, including a monthly orchestrator with dispatched reboots and post-reboot verification.
- **Compliance at scale.** Built a STIG scanning and remediation pipeline on OpenSCAP and SSG with fleet-wide dispatch and per-host scoring; raised new builds from roughly 79 to 95 percent.
- **Provisioning.** Stood up VM provisioning from Foreman onto VMware vSphere end to end, with a STIG-compliant partition layout and first-boot hardening.
- **Recovery.** Recovered and completed the build-out of an air-gapped Red Hat Satellite 6 that had been offline for months, then registered the fleet to it.
- **Zero-downtime growth.** Expanded production Elasticsearch data nodes from 4 TB to 7 TB fully online, with no VM or service interruption.

CORE STACK

Platforms

RHEL 7-10, Oracle Linux, Rocky, Ubuntu 20.04-24.04

Lifecycle

Foreman/Katello, Red Hat Satellite 6, Canonical Landscape, PXE and Kickstart, VMware vSphere

Security

DISA STIG and SCAP, OpenSCAP/SSG, SELinux, fapolicyd, FIPS, Tenable remediation, POA&M

Identity

Active Directory via SSSD and Centrify/Delinea, Kerberos, Duo MFA and Duo SSO (SAML/OIDC)

Automation

Ansible, Bash, Python, drift detection and remediation

Services

NGINX/Apache, HAProxy, PostgreSQL, NFS, Samba/CIFS, DNS, PKI

Observability

Elastic Stack, Nagios XI, Prometheus/Grafana, Splunk

Hardware

HPE ProLiant and Synergy, 3PAR and Nimble, NVIDIA GPU platforms

CREDENTIALS

CompTIA Security+ · exp. April 2028

LPIC-1 and LPIC-2

BBA, Management Information Systems · Ohio University, 2013

EXPERIENCE AT A GLANCE

Linux Systems Administrator III · HRL Laboratories via SOC Contracting

June 2025 - present

Systems Administrator II · VSolvit, Inc.

January 2024 - May 2025

Systems Administrator · TollFreeForwarding.com

April 2017 - June 2023

IT Support Specialist · Entravision Communications

January 2015 - April 2017

Xerox Integration Specialist, IT Consultant · Net Assurance, Inc.

June 2013 - December 2014

Full detail follows on the next page.

TOP SKILLS

- **Linux Platform Operations:** RHEL 7-10, Oracle Linux, Rocky, AlmaLinux, Debian/Ubuntu 20.04-24.04, systemd, lifecycle management, performance tuning, capacity planning
- **Fleet Lifecycle and Patch Management:** Foreman/Katello, Red Hat Satellite 6, Canonical Landscape, content views, activation keys, errata management, pull-mode remote execution (MQTT/yggdrasil)
- **Provisioning:** PXE and Kickstart, boot-disk provisioning, VMware compute profiles, STIG-compliant partition tables, golden images, baseline build pipelines
- **Security Hardening and Compliance:** DISA STIG and SCAP baselines, OpenSCAP/SSG, Ubuntu USG, SELinux enforcement, fapolicyd, FIPS mode and crypto policies, Tenable/Nessus remediation, POA&M and audit evidence
- **Identity and Access Control:** Active Directory integration (SSSD, Centrify/Delinea), Kerberos, Duo MFA and Duo SSO (SAML/OIDC), sudo and dzdo policy, GPO-based access control, least-privilege design
- **Automation and Configuration Control:** Ansible and Ansible Vault, Bash, Python, idempotent provisioning, drift detection and remediation
- **Virtualization and Compute Operations:** VMware vSphere and vCenter, KVM, Proxmox, Hyper-V, resource governance, snapshot governance, backup and recovery validation
- **HPC and GPU Platforms:** HPE ProLiant and Synergy, NVIDIA GPU and NVSwitch systems, out-of-band management, firmware and driver lifecycle, vendor break-fix coordination
- **Containers and Orchestration:** Podman (including rootless under AD identity), Docker, Kubernetes and k3s, Docker Swarm, service rollout and health management
- **Observability and Logging:** Elastic Stack (Elasticsearch, Kibana), Nagios XI, Prometheus, Grafana and Tempo, SolarWinds, LibreNMS, Splunk operations, alerting and log retention strategy
- **Core Service Delivery:** NGINX/Apache, HAProxy, PostgreSQL/MySQL, DNS (BIND/Unbound), NFS, Samba/CIFS with Kerberos, autofs, SSH/SFTP, Postfix
- **PKI and Secure Transport:** Internal CA and ACME/Certbot workflows, wildcard and SAN certificate lifecycle, chain construction, TLS troubleshooting under FIPS
- **Storage and Data Protection:** HPE 3PAR and Nimble over Fibre Channel, Dell SAN, NetApp NFS, multipath, LVM and XFS online growth, RAID fundamentals, backup strategy testing
- **Engineering Software Licensing:** FlexLM/FlexNet and OpenLM administration for Synopsys, Cadence, Ansys, COMSOL, Keysight ADS, and MATLAB; inventory and renewal tracking
- **Source Control and CI Tooling:** Git, GitLab administration at enterprise scale, GitLab CI/CD, runner fleet operations
- **Enterprise Tooling:** Jira Data Center, Confluence, ServiceNow, BookStack, JFrog Artifactory, phpIPAM, NetBox
- **Network Controls:** Firewalls (firewalld, nftables/iptables), Cisco, SonicWall and UniFi, routing and VLANs, site-to-site VPN, SSH bastion patterns
- **Operational Documentation:** SOPs and runbooks, controlled change records, inspection support, incident write-ups and root cause analysis

EXPERIENCE IN DETAIL

HRL Laboratories via SOC Contracting — Linux Systems Administrator III

June 2025 - present

- Designed and delivered fleet-wide patch automation for roughly 90 Enterprise Linux hosts using Foreman/Katello pull-mode remote execution, removing the need for a standing privileged credential or an MFA exemption; the first production run patched 82 of 88 hosts unattended.
- Built the Ubuntu counterpart on self-hosted Canonical Landscape for an 80-host fleet, including a six-phase monthly patch orchestrator driven through the Landscape API with pre-snapshot capture, dispatched reboots, post-reboot verification, and automated summary reporting.
- Stood up VM provisioning from Foreman onto VMware vSphere end to end: vCenter compute resource, subnets, compute profiles, synced kickstart content, a STIG-compliant LVM partition table, kickstart package and post-install snippets, and a first-boot hardening service.
- Built a STIG scanning and remediation pipeline on OpenSCAP and SSG with per-host weighted scoring, fleet-wide dispatch, worst-first ranking, collected reports, and a documented exception set; raised newly built hosts from roughly 79 percent to 95 percent compliance.
- Recovered and completed the build-out of an air-gapped Red Hat Satellite 6 that had been offline for months: restored PostgreSQL and Apache, upgraded from disconnected media, corrected content views, activation keys and content overrides, and registered the fleet.
- Rotated wildcard TLS certificates across nginx, Apache/Nagios XI, GitLab Omnibus, Splunk, Mattermost, and Satellite hosts, resolving chain-order, line-ending, SELinux, and FIPS-related validation failures along the way.
- Expanded production Elasticsearch data nodes from 4 TB to 7 TB fully online using hot VMDK extension, SCSI rescan, and xfs_growfs, with no VM or service downtime, and moved the cluster onto a staggered rolling patch schedule.

- Deployed a vendor engineering application across separate RHEL 9 application and PostgreSQL 16 database tiers, including TLS front end, service account hardening, schema and seed-data migration, and a SAML SSO design against Duo.
- Root-caused recurring GPU compute node lockups to SELinux context mislabeling that was driving runaway diagnostic daemon invocations; corrected file contexts across affected accounts and closed the kernel-dump and log-persistence gaps found during triage.
- Administer RHEL 7-10, Oracle Linux, Rocky, and Ubuntu servers and workstations across test, staging, and production networks; handle lifecycle, patching, and operational troubleshooting.
- Integrate Linux with Active Directory via SSSD and Centrify/Delinea for authentication, sudo policy, and group-based access control; diagnose Kerberos, GPO, and PAM failures across both stacks.
- Harden systems using DISA STIG and SCAP baselines; enforce SELinux and fapolicyd controls; remediate Tenable findings and maintain audit evidence and POA&M documentation.
- Build automation in Bash and Python and use Ansible for provisioning, configuration enforcement, and drift remediation.
- Administer VMware vSphere, including capacity planning, snapshot governance, and backup and recovery validation.
- Support high availability app-tier services using Pacemaker/Corosync, including resource configuration, failover validation, and coordinated maintenance.
- Support HPE HPC compute platforms (ProLiant and Synergy) and HPE storage platforms (3PAR and Nimble) over Fibre Channel, including multipath configuration, firmware and driver lifecycle, performance triage, and vendor break-fix coordination.
- Deploy and provision NVIDIA-based bare-metal servers in a research environment from baseline build through user acceptance.
- Manage core infrastructure services including NGINX/Apache, HAProxy, PostgreSQL/MySQL, Samba/CIFS, NFS and autofs, DNS (BIND/Unbound), SSH/SFTP, PKI, and centralized monitoring and logging (Prometheus, Grafana, Elastic Stack, Nagios).
- Administer Elastic Stack and GitLab CI/CD, including upgrades, access control, backup and restore, runner fleet operations, and performance tuning.
- Administer engineering software licensing on FlexLM/FlexNet and OpenLM, and maintain license inventory and renewal schedules in a centralized tracker with proactive notifications.
- Provide backup administration for Windows Server during outages or coverage gaps to maintain service continuity.
- Administer a self-hosted GitLab instance at enterprise scale, covering 3,000+ projects, 460 seats, and roughly 140 registered runners across shared and project-scoped fleets.
- Enabled rootless Podman for AD-backed users on FIPS-mode hosts and stood up an offline k3s cluster on a STIG-hardened host, working through fapolicyd rules, SELinux policy, and air-gapped image staging.
- Recovered a JFrog Artifactory instance after database lock corruption from a hard reset, and resolved a Jira Data Center login outage traced to a JVM truststore gap in the LDAPS certificate chain.
- Delivered Kerberized SMB access for AD users through autofs with sec=krb5 and multiuser, replacing an approach that was degrading interactive login times, and diagnosed the residual latency down to the authentication path.
- Completed a BIOS to UEFI and GPT boot conversion on a production GPU node including Secure Boot certificate enrollment, and wrote a Bash Secure Boot reporting tool for the Enterprise Linux fleet to replace a Windows PowerShell equivalent.
- Lead cross-domain incident response across compute, storage, network, and endpoints; write SOPs and runbooks, maintain controlled change records, and support accredited environments and inspections with audit-ready evidence.

VSolvit, Inc. — Systems Administrator II

January 2024 - May 2025

- Managed physical and virtual server infrastructures (Debian and Red Hat Linux, Windows Server 2008-2022) alongside Cisco and SonicWall networking environments.
- Administered virtualization solutions (KVM, Proxmox, Microsoft Hyper-V, VMware vSphere) to optimize resource utilization and performance.
- Designed, implemented, and maintained multi-tier backup and disaster recovery strategies for DoD contract mission-critical systems and internal company systems.
- Developed and executed disaster recovery testing scenarios to validate system readiness and resilience.
- Oversaw certificate management for secure communications and services.
- Deployed and maintained Red Hat based Postfix instances for email alerting and notifications.
- Administered Office 365 and Google Workspace email services, integrating and supporting various web applications.
- Hardened systems per DISA STIG and SCAP standards to meet compliance requirements.
- Troubleshoot and maintained Cisco, SonicWall, and UniFi networks, including site-to-site VPNs, NAT, DHCP, DNS, routing, and SonicWall firewall configurations.
- Managed PBX phone systems, ensuring reliable voice communications.
- Automated tasks and workflows using Bash, PowerShell, cron, and Ruby scripting.
- Implemented monitoring and alerting via LibreNMS to proactively identify and resolve system issues.

- Maintained up-to-date system documentation in NetBox for accurate asset and configuration tracking.
- Performed Dell SAN management and performance troubleshooting to optimize storage solutions.
- Administered Windows Active Directory and Group Policy for centralized user and system management.
- Led project teams through ISO 27001 and CMMC audits, ensuring readiness and compliance.

TollFreeForwarding.com — Systems Administrator

April 2017 – June 2023

- Ran Debian and Windows server fleets across on-premises, Equinix colocation, and AWS. Built and maintained KVM, VMware, OpenVPN, load balancing and HA (NGINX, Apache, HAProxy, Zevenet), FreePBX, NFS, and CUPS.
- Automated provisioning and configuration with Foreman preseed and Puppet. Managed Git repositories and certificates, and acted as Git organization admin.
- Administered core Windows services including AD, DNS, DHCP, RADIUS, NAS, printing, MySQL-backed applications, and QuickBooks servers.
- Drove patching at scale for Linux and Windows with scripted workflows in Bash, PowerShell, Python, and Ruby.
- Stood up monitoring and logging with LibreNMS, SolarWinds, Observium, and Debian-based Elasticsearch.
- Implemented security controls including LUKS and BitLocker encryption and the Bitwarden enterprise password manager.
- Managed Cisco and UniFi networking: switching, routing, VLANs, and port channels.
- Administered Google Workspace and Microsoft 365 for mail, identity, storage, and collaboration.
- Led on-site data center work at Equinix domestic and international locations, including rack and stack, hardware troubleshooting, installs, and documentation.
- Handled user lifecycle from hiring support through onboarding and offboarding, and provided Tier 2/3 support for Windows, macOS, and Linux, including remote assistance.

Entravision Communications — IT Support Specialist

January 2015 – April 2017

- Provided helpdesk support locally and remotely by email, phone, and screen share for Windows desktops, including troubleshooting and routine maintenance, on a team supporting 1,000+ users.

Net Assurance, Inc. — Xerox Integration Specialist, IT Consultant

June 2013 – December 2014

- Configured Xerox multifunction printers on client networks across a wide range of networking environments.
- Worked with clients from 3 to 200+ employees to provide general IT helpdesk support.

DOCUMENTATION AND KNOWLEDGE TRANSFER

- Author reference and procedure articles in BookStack covering architecture, configuration values, the reasoning behind design decisions, symptom-to-cause troubleshooting tables, and known limitations, so the work is operable by someone other than its author.
- Wrote a decision document comparing Foreman provisioning against Terraform for infrastructure build-out, including an honest account of where each tool is the better choice.
- Produce handoff briefs for in-flight workstreams that define the outcome, record what has been proven and ruled out, and list the open discovery items, so a project can change hands without losing context.
- Maintain controlled change records covering justification, implementation plan, risk and impact analysis, backout plan, post-implementation test plan, and communication plan.

PERSONAL PROJECTS

- **OpenSeedling:** Raspberry Pi Zero 2 W seedling controller running a Flask application with grow-light scheduling, camera capture, and automated plant-health reporting; includes a custom four-layer HAT designed in KiCad from schematic capture through layout.
- **openGrow:** Raspberry Pi monitoring and automated watering for raised garden beds, with ESP32 sensor nodes reporting into a Flask dashboard.
- **Home infrastructure:** Self-hosted services on Linux and containers, used as a proving ground for tooling before it reaches production work.

CERTIFICATIONS AND EDUCATION

- CompTIA Security+, expires April 2028.
- Linux Professional Institute LPIC-1 and LPIC-2.
- Ohio University, BBA in Management Information Systems, 2013.