

JEFF HERDZINA

Senior Linux Systems Engineer | Cloud Infrastructure & DevOps Automation

Broken Arrow, Oklahoma | 918-269-7650 | jjherdzina@protonmail.com

<https://www.linkedin.com/in/jeffherdzina-linux/>

Security clearance: Public Trust

PROFESSIONAL SUMMARY

Senior Linux Systems Engineer with 19+ years of experience designing, automating, and scaling enterprise-grade infrastructure across insurance, banking, telecommunications, and federal sectors. Expert in **Infrastructure as Code (IaC)** and **DevOps automation**, specializing in bridging legacy data center environments with modern cloud-native solutions. Proven track record in reducing operational overhead, implementing high-consequence security frameworks (**NIST 800-53, ISO 27001**), and maintaining **99.9% uptime** in complex, high-volume production environments.

TECHNICAL SKILLS

- **Linux/Unix Platforms:** RHEL, AlmaLinux, Ubuntu, CentOS (Hardening, Patching, Performance Tuning)
 - **Automation & IaC:** Ansible, Terraform, Python, Bash, PowerShell, Jenkins (CI/CD), Git
 - **Cloud & Virtualization:** AWS (EC2, VPC, ELB, S3/Glacier, RDS, Lambda, SNS, CloudWatch), Azure, Proxmox VE
 - **Containers & Web:** Docker, Podman, Apache, Nginx, HAProxy, Microsoft IIS
 - **Networking & Security:** Cisco ASA, VPN, Firewalls, Routing/Switching, NIST 800-53, CIS Benchmarks
 - **Databases & Monitoring:** MySQL, PostgreSQL, Zabbix, Nagios, Netdata
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PROFESSIONAL EXPERIENCE

Equity Insurance Company | Tulsa, OK

Senior Linux Systems Engineer | Sept 2020 – June 2024

- **Engineered** a high-availability Linux/Windows hybrid environment, ensuring **99.9% uptime** for mission-critical insurance analytics and production workloads.
- **Architected** an automated operational framework using **Ansible, Python, and Bash**, eliminating manual configuration drift and reducing deployment times by **40%**.

- **Orchestrated** containerized environments using **Docker and Podman**, streamlining the transition from legacy monolithic applications to scalable, portable microservices.
- **Hardened** enterprise systems by aligning infrastructure with **NIST 800-53** standards and implementing automated patch compliance workflows.

Arvest Bank Systems | Fayetteville, AR

Application Analyst III (Contract) | Sept 2018 – April 2020

- **Transformed** application deployment workflows via **Ansible automation**, resulting in a **75% reduction** in manual engineering hours for 20+ enterprise banking applications.
- **Stabilized** core Red Hat banking systems within a strictly regulated financial environment, maintaining rigorous security and access controls.
- **Optimized** system authentication and monitoring protocols, proactively identifying and mitigating vulnerabilities before they reached production.

Amgen Pharmaceuticals | Thousand Oaks, CA

Linux Administrator (Contract) | Sept 2017 – March 2018

- **Modernized** global email infrastructure by consolidating legacy CentOS environments, reducing the physical/cloud footprint by **50%** while improving deliverability.
- **Directed** production validation and high-consequence smoke testing for core systems supporting a **300,000+ global workforce**.
- **Partnered** with cross-functional telecom teams to engineer resilient network routes, ensuring zero-latency global connectivity for pharmaceutical operations.

United States Postal Service | Norman, OK

Red Hat Administrator (Contract) | Jan 2017 – Apr 2017

- **Delivered** robust MySQL and PostgreSQL database architectures supporting federal automated sorting equipment nationwide.
- **Secured** nationwide web and application server infrastructure under **Public Trust Security Clearance**.

Strategic Infrastructure History | 2009 – 2016

Key Tenures: Hewlett-Packard | Level 3 Communications | Citgo | HireRight

- **Level 3:** Managed a massive **17,500-server global CDN**, maintaining the backbone of the modern internet for streaming and data delivery.
 - **HP:** Engineered core infrastructure for the world's largest airlines (**Delta, American, Lufthansa**), managing high-transaction systems with zero tolerance for downtime.
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TECHNICAL LAB & PROJECTS

- **Hybrid Automation Lab:** Maintains a private **Proxmox** and **AWS** hybrid environment to test CI/CD pipelines, K8s orchestration, and IaC workflows using **Terraform** and **Ansible**.
 - **Automated Weather Alerting Platform:** Built a **Python-based** service utilizing NWS APIs and Postfix to deliver real-time severe weather notifications.
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EDUCATION & TRAINING

- **Tulsa Technology Center:** CCNA / CCNP / Computer Security (GPA 4.0)
- **College of DuPage:** Criminal Justice
- **Current Focus:** Linux Security Hardening, Container Orchestration (K8s), Infrastructure as Code.