

# John McGee

## Linux | Infrastructure & Platform Engineering

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Accomplished Linux and Unix Systems Administrator with over 20 years of experience in system design, deployment, automation, and support. Recognized for strong communication skills, technical leadership, and fostering effective collaboration with customers and teams across all stages of implementation and support life cycles. Brings extensive expertise in platform and infrastructure support, driven by a commitment to continuous improvement, innovation, and technical excellence.

## Experience

### Infrastructure Engineer

DCS Corp | Feb 2025 - Present | Sterling Heights, MI

- Built a custom Bootc-based AlmaLinux distribution for internal use, including custom RPM builds for OpenZFS; maintain ongoing updates.
- Stood up and configured a CMDB based on the current inventory, including custom columns for frequently referenced resources.
- Developed custom GitLab CI/CD pipelines to automate tasks for both the Bootc-based AlmaLinux distribution and the CMDB; continue to maintain and enhance them.
- Built AI infrastructure leveraging vLLM and Open WebUI; maintain operational performance.
- Deployed and now administer Nexus Repository as an internal repository for ongoing projects.
- Migrated custom internal Ansible roles to public repositories, enabling use by other teams across the organization.
- Built custom Ansible roles for deployment of infrastructure services.
- Performed imaging and provisioning of bare-metal Linux servers to support infrastructure and project requirements.

### Senior Unix Administrator

Xcel Energy via York Solutions | Jan 2023 - Jan 2025 | Minneapolis, MN

- Enhanced Linux OS imaging processes with VMware Aria and migrated configuration management to Ansible, reducing imaging time to less than 10% of previous methods.
- Directed OS and application data initiatives during enterprise-wide NetApp and Pure storage migrations, developing Bash and Ansible automation tools to reduce downtime from hours to minutes.
- Implemented Red Hat Satellite and established patching workflows for Linux environments.
- Maintained CIS security baselines using Ansible playbooks to automate system hardening.
- Installed, upgraded, and maintained RHEL and AIX systems in secure, compliance-driven environments.
- Performed maintenance and troubleshooting on Docker deployed applications to ensure optimal performance and reliability.

## Senior Linux Engineer

NTT Managed Services | Nov 2012 - Sep 2022 | Southfield, MI

- Collaborated with teams and customers to scale resources and optimize OS systems for SAP, HANA, Oracle, and PeopleSoft environments.
- Designed and built environments for automotive, financial, medical, and government sectors, creating automation scripts and processes compliant with FTI, HIPAA, and ITAR regulations.
- Managed over 2,000 server deployments across VMware, Oracle PCA, Oracle Cloud Instance, and Azure, including building, migrating, and troubleshooting systems.
- Planned and documented disaster recovery exercises to ensure business continuity; created automated processes reducing downtime by up to 50%.
- Led deployment and standardization of FreeIPA for multi-tenant authentication; automated OpenLDAP to FreeIPA user migration, accelerating deployment and eliminating errors.
- Standardized and deployed Linux-based NFS appliances for storage and backup solutions.
- Deployed and managed infrastructure services, including logging servers, ELK Stack, HAProxy, and Postfix.
- Automated installation of observability tools (Filebeat, Metricbeat, Fluent Bit) with Ansible, ensuring consistent integration.
- Utilized GitLab CI/CD to automate configuration and deployment of Red Hat Linux imaging templates.
- Built bare-metal clustered environments for high performance and high availability.
- Resolved hardware and firmware issues in collaboration with support vendors.
- Developed Ansible playbooks and Puppet modules; maintained configurations in Git.
- Trained and mentored junior engineers on tools, processes, and best practices.

## System Administrator

NetExpress | 2000 - 2007 | Clinton Township, MI

Created a custom customer database and internal ticketing system developed with PHP and MySQL. Deployed and maintained OpenBSD email proxy servers to filter email in an Exchange environment. Additionally, managed a Remote Access Server for dial-up internet customers, and deployed ISDN and wireless setups for remote internet connectivity.

## Technical Support

A+ Computers | 1998 - 2000 | Sterling Heights, MI

Built, upgraded, and maintained new system builds. Troubleshooted and repaired systems both in-person and remotely. Provided technical support and assisted with floor sales.

## Skills

**Operating Systems:** Red Hat Enterprise Linux, Debian Linux, RouterOS, FreeBSD

**Platforms:** Azure, Oracle Cloud Instance, Bare-Metal Linux Servers

**Automation & Configuration:** Ansible, Puppet, GitLab CI/CD, Bash

**Virtualization & Containers:** VMware ESXi, KVM, Podman, Docker, Oracle PCA

**Storage & Backup:** ZFS, NFS, Samba, Rubrik

**Infrastructure:** DNS, FreeIPA, Satellite, Postfix, High Availability Clustering

**Application Services:** Nginx, Apache, Tomcat, Caddy, vLLM