

Summary

Accomplished IT engineer and architect with over 20 years of Linux infrastructure and engineering experience, guiding teams in the design and operation of scalable, secure platforms across Fortune 100/500 environments. Trusted technical lead and mentor in high-stakes, performance-critical systems. Creator of *Dark Horse Linux* (source-based OS) and *Rex* (zero-dependency automation tool). Combines deep systems fluency with the leadership needed to grow and run effective engineering teams.

Experience

Systems Lead / Architect / SRE for [TRM at IBM](#)

2021.02-2026.01

Leads Architecture and Site Reliability Engineering efforts for a major federal services provider, supporting platform reliability across multiple DoD environments for several government agencies under *FedRAMP* Moderate controls:

- Ensures full lifecycle and reliability of all Linux systems in SoftLayer and AWS environments.
- Enabled business relationships with staffing firms, interviewed, hired, onboarded and trained new systems engineers, building a highly effective team of performers.
- Established the operations knowledge base, documentation systems and procedures, and runbook for the FedRAMP engineering teams.
- Designed, built, maintained, hardened and patched all infrastructure.
- Designed, implemented Linux-based solutions in Python, C++, Bash and F/OSS services.
- Ensures DISA STIG and FedRAMP Moderate compliance.

Principal Systems Architect / Founder at [SILO GROUP, LLC](#)

2018.12-CURRENT

Personally designed and developed, and continues to maintain several independently owned software products:

- [Dark Horse Linux](#), a from-scratch, source-based GNU/Linux Operating System / distribution.
- [Rex](#), a zero-dependency configuration management and automation tool for Linux.

Cloud Solutions Architect for [Resolvit at The Kroger Company](#)

2020.03-2020.09

Contracted cloud solutions architect on the enterprise cloud services team at this Fortune 20 client.

- Advised software development teams on conversion to micro-services architecture in Azure and AWS.
- Designed a new enterprise solutions architecture lifecycle and SDP.
- Performed feasibility studies on distributed web systems in prototyping.
- Software development with Python, Bash.
- Developed Infrastructure as Code implementations using Terraform.

Enterprise Information Security Architect for [The Select Group at OhioHealth](#)

2019.05-2019.10

Contracted architecture resource in Columbus, OH to close gaps in strategy, design, and process at an enterprise level at this Fortune 100 client.

- Contributed to design, solution representation, and architectural lifecycle standards across the organization, including enterprise software engineering best practices and standards.
- Advised enterprise leadership on compliance strategies.
- Reviewed, hardened hundreds of solution designs across the organization.
- Collaborated with executive team for product selection for enterprise initiatives.
- Solutions development and API integration in Python.

Platform Systems Engineer at West Corporation

2018.05-2019.05

Designed, built and operated a greenfield on-premises API gateway platform, on Linux targets.

- Shell scripting and software development in Bash and Python.
- Designed, implemented, and maintained configuration management tools and architecture.
- Responsible for the full lifecycle of the platform from design to operationalization.
- Provided enterprise level infrastructure design.
- Trained senior technical staff.
- Served enterprise function as final escalation point for service events in a Linux-based environment.
- Designed new enterprise patching and deployment models for Linux infrastructure.

DevOps Automation Engineer for Kforce at J.P. Morgan Chase

2018.01-2018.05

Contracted engineering and architecture resource to design and implement a greenfield CI/CD pipeline for software driving one of the world's largest consumer financial transaction processing systems at this Fortune 100 client.

- Designed and implemented CI/CD pipelines and surrounding infrastructure.
- Tool development in Bash and Python.
- Advised development teams on software engineering best practices.
- Addressed security findings in environment.
- Advised on SCM strategy transition.

Engineer/Architect (DevOps) for FastSwitch at McGraw-Hill Education

2016.06-2017.11

Contracted engineering, DevOps, security and architecture resource, working closely with all levels of engineering and business leadership to perform senior software and systems engineering operations for this Fortune 500 client. Responsible for security and reliability of all products and services in the Digital Platform Group.

- Solutions architecture and operations for Linux-based environment.
- Development in Python, PHP, and C.
- Last level of escalation for all service events.
- Design of response process for Tier 2 teams.
- Performance tuning, monitoring and alerting.

Saved over \$15,000,000 in reduced cost through the elimination of technical debt, mitigation of liability, and restoration of contractually-obligated legacy products.

Senior DevOps Engineer for FastSwitch at Chemical Abstract Services

2016.03-2016.06

Contracted systems and development resource on the Enterprise Systems Operations team, responsible for all environments and environment pipelines of legacy systems at this Fortune 1000 client.

- Solution development on Solaris, RHEL, SUSE, CentOS, where I got to build software integrating with and storing the world's largest chemical research database – including augmentation of various Linux and internal ETL services.
- Contributed to development process, codebase, toolchain development, and infrastructure architecture during a late-stage agile transformation.

Integration/DevOps Engineer for FastSwitch at Nationwide Insurance

2015.03-2016.02

Contracted DevOps and development resource to serve on a highly visible pilot team for an Agile transformation at this Fortune 50 client. Designed new interdepartmental process throughout the I&O division, performed artifact pipeline management, web application performance engineering, and design and development of configuration management toolchains in Python, C, C++, C#, PowerShell, and Bash.

Desktop Engineer at [Teleperformance USA](#)

2011.09-2015.02

Initially sole support for a call center as an onsite engineer. Role was later expanded to an enterprise function (North America, Philippines, India) to serve as last level of escalation for enterprise outage troubleshooting and repair.

- Delivered >\$1M in savings and scaled automation across 30,000+ endpoints as enterprise SME for scripting and tooling in one of the world's largest IT environments.
- Led call center builds, global outage triage, and on-site crisis response initiatives across three continents.

Community and Open Source

Principal at [SILO GROUP](#)

2016

Designs, develops, and maintains Dyad, an automation of the process of cross-compiling a Linux operating system from raw upstream sources, to allow creators to develop their own Linux distributions without reliance on upstream distributions.

Principal / Co-Owner at [GNODES ISP](#)

2007

Started an Internet service subcontracting enterprise to lower ISP rates for college dorm students on the Eastern Maine Community College campus while in attendance.

Systems Architecture	Enterprise Architecture, Solutions Design, Lifecycle Management, FedRAMP, DISA STIG compliance	10+ years
Linux Expertise	RHEL, CentOS, SUSE, Ubuntu, Solaris, Source-based Linux (Dark Horse Linux), Hardening, Patching	20+ years
Cloud Platforms	AWS, Azure, IBM SoftLayer (Fed), Hybrid cloud, Enterprise Cloud Architecture, Terraform (IaC)	13+ years
Programming & Scripting	Python, Bash, C, C++, Shell, API Integration, automation tool development	20+ years
DevOps & SRE	CI/CD pipeline design, configuration management, monitoring/alerting, performance tuning, Reliability engineering, backup strategies	11+ years
Security & Compliance	Information security architecture, Enterprise hardening, Vulnerability remediation, Audit/controls compliance	10+ years
Automation & Tools	Rex (automation tool), Custom tool development, ETL services, Infrastructure as Code, Cross-compilation (Dyad)	16+ years
Leadership	Engineering team building, Mentorship, Hiring/training, Knowledge base/runbook creation, Executive collaboration	6 years
Enterprise IT	Large-scale systems operations, API gateway design, Patch/deployment models, Agile transformations, SCM strategy	11+ years