



ERIC LEE FRITSCH

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Professional Summary

Strategic and hands-on Senior IT Systems Engineer with over 20 years of experience designing, securing, and automating hybrid enterprise infrastructure. Proven leader of a 20+ engineer global team, driving major initiatives including Proxmox and VMware migrations, data center consolidations, and unified systems monitoring. Skilled in asset lifecycle management, including Zabbix-PagerDuty integrations and openDCIM deployment. Adept at orchestrating high-stakes, cross-team maintenance operations, optimizing uptime, and aligning IT solutions with business-critical goals.

Core Competencies

Team Leadership & Staff Development • Infrastructure Automation • Proxmox VE • VMware vSphere & ESX • Hybrid Cloud (AWS, HPE GreenLake) • Bash, PowerShell, Python Scripting • STP & MTU Optimization • Data Center Migration • SFTP & Chroot Security • SAN & NAS Storage • DNS/DHCP/Active Directory • Network Architecture • Zabbix/Grafana Monitoring • Development Infrastructure • Team Leadership & Mentorship • Disaster Recovery & High Availability

Professional Experience

Senior Systems Engineer – Hewlett Packard Enterprise (2011–Present)

- Subject Matter Expert and technical coach for junior team members while directing team

projects and Service-Level Agreements.

- Lead a team of Systems Administrators responsible for supporting software development teams for local and remote datacenters.
- Write automation scripts used to proactively monitor lab infrastructure for reduced Recover Time Objectives.
- Manage infrastructure monitoring with Zabbix while integrating with PagerDuty alerting
- Lead migration projects consisting of datacenter consolidation, local risk networks, system re-IP, storage, and compute.
- Manage core infrastructure including network architectures, VMware clusters, DNS/DHCP servers, storage arrays, SAN networks, L2/L3 network switches, firewalls, proxy servers and monitoring tools.
- Continuously create, maintain, and troubleshoot complex test environments in a 50,000 square foot heterogeneous datacenter using HPE's entire fleet of hardware and "next generation" prototypes.
- Implementation of Open-Source solutions such as Squid proxy, KVM, ProxMox, and Zabbix monitoring.
- Constantly learning innovative technologies from the rudimentary stages of development through final product releases.
- Project planning, budgetary advice, lab space management, hardware purchasing, shipment receiving, hardware setup, system maintenance, and equipment recycling.

Systems Engineer – Dish Network (1997–2011)

- Travel to multiple remote uplink center locations to provide datacenter inspections, infrastructure design, production builds and ongoing maintenance.
- Systems Engineer in a mixed OS environment consisting of physical and virtual Linux and Windows servers.
- Linux/Windows System's Engineer for the Dish Network's Conditional Access System while maintaining zero production downtime.
- Windows domain management including Active Directory, Group Policy, Exchange, DNS, DHCP, IIS and Terminal Services.
- VMware ESX/vSphere virtualization configuration and management
- Management of application upgrades and migrations across multiple platforms in a real-time production environment.
- Lead engineer for multiple projects including hardware upgrades, hardware infrastructure design and deployment, 3rd party software testing and process improvement.
- Participate in a 24x7 on-call rotation to ensure the stability and integrity of operations and

quickly troubleshoot and analyze failures to minimize outages and service interruptions.

Key Achievements

- Patent filing for customizable datacenter monitoring architecture
- Re-IP'd 15,000+ systems with minimal downtime
- Led VMware to Proxmox migration for critical workloads
- Developed custom automation for power, cooling, and networking layers
- Traveled to remote datacenters to lead infrastructure setup
- Coordinated sequenced power-down strategies across global environments

Certifications & Education

- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- AWS Partner: Architecting & Technical
- VMware ESX (AmeriTeach)
- Microsoft Exchange & Server 2003 (Global Knowledge)
- IBM AIX Virtualization
- MCSE – Microsoft Networking Essentials
- B.A., Criminal Justice – University of Wyoming
- A.A., Pre-Law – Laramie County Community College

Technical Skills

- **Operating Systems:** Linux, Windows, Proxmox, VMware
- **Cloud Platforms:** AWS, HPE GreenLake, Compute Ops Management
- **Asset Management:** openDCIM
- **Languages:** Bash, Python, PowerShell
- **Monitoring:** Zabbix, Grafana, SNMP, Syslog
- **Networking:** Fortigate Firewall, Squid, LACP, NAT, Wireshark, VLAN, SAN
- **Storage:** HPE 3PAR, Nimble, Alletra, Primera, EVA, MSA
- **Switching & Routing:** Cisco, Brocade, Aruba, HPE, ProCurve, 3Com
- **Software:** Active Directory, Group Policy, DNS, DHCP, OneView

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