

ScottWhite

Linux Systems Engineer

contact

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technologies

Linux and BSD(userland
and kernel) Slurm
OpenMPI C BASH Python
Ruby Node.js Ansible Git
OpenVZ QEMU Nagios
Sensu Grafana Apache
Nginx MySQL MongoDB
GlusterFS ZFS Lustre
GPFS NFS SNMP
OpenSSL OpenBGPd PF
iptables BIND SMTP
Infiniband

experience

- 2016–Now **Los Alamos National Laboratory, HPC-SYS** Los Alamos, NM
Scientist, Filesystems and Storage
Works with teams to research, deploy, and maintain filesystem and storage in high-performance computing clusters with many users, with on-call support during business hours.
- Developed many BASH and Python scripts to maintain filesystems and deliver user-facing features, and contributed to a C tool for scanning GPFS inode data for metadata indexing.
 - Supported developers and researchers by deploying, maintaining, and troubleshooting multiple Linux filesystem clusters (Lustre, GPFS, MarFS) for testing and production.
 - Built and optimized a 1200+ node Linux cluster for testing and debugging of new and emerging filesystem products, using Slurm and OpenMPI to test and Ansible to quickly deploy Lustre.
 - Mentored four students on two different summer projects; worked closely with new colleagues to onboard them and share knowledge.
- 2011–2016 **Doxcelerate Corporation** Santa Fe, NM
Systems Manager
Built, maintained, secured, and troubleshot the full-stack infrastructure of virtual and physical servers for websites with tens of thousands of users, automated processes, and maintained services 24/7.
- Led the development team to implement new technologies, including instructing the team in Git, deploying containers using Ansible, and displaying metrics in Grafana.
 - Developed, debugged, and maintained code, including Python add-ons for Plone, Perl for a customized Request Tracker instance, and Node.js for an authentication system.
 - Built a multi-tiered, scalable backup system using GlusterFS; hardware, network(CARP), and application(through Nginx proxying) fail over; logging using rsyslog; and monitoring with Sensu.
 - Designed and deployed a redundant front- and back-end network, using FOSS products like OpenBGPd.
- 2008–2011 **Bioneers** Santa Fe, NM
Systems Administrator
Provided support to users for software, hardware, and networking issues for Windows, Linux, and Macintosh systems.
- Supervised IT staff at the 2008, 2009, and 2010 Bioneers conferences.
 - Administered three Plone websites on AWS.

education

May 2005 **Bachelor of Arts** University of Maryland Baltimore County (UMBC)
Honors: Magna cum laude, Phi Beta Kappa

fun facts

- Was a *beloved* co-chair of the Santa Fe DSA, and is still active in the group.
- Has a stunning reputation of 301 on Serverfault.
- Runs a weekly radio show playing Japanese music (all kinds).