

Tim King-Kehl

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Site Reliability Engineer - Linux Administrator - Automation Enthusiast - Troubleshooter Extraordinaire

Work Experience

- **Senior Project Engineer** Union Pacific

- Manage 12,000+ Linux servers across multiple data centers. 3 RHEL-based OS varieties, 10+ OS versions. Perform day-to-day sys admin duties: troubleshooting, disk slicing, vendor POCs, server upgrades/migrations, and much more.
- Primary support/architect for GlusterFS, a clustered filesystem software. Completed upgrade from server/client version 4 to 6, across 700 total servers, with 100% uptime.
- Primary support/architect for Linux patching, including: uploading custom packages to Spacewalk repositories, pulling down upstream packages into our in-house RPM repository, cutting the repositories and patching on a quarterly basis, and working with application teams to ensure reboots are performed.
- Primary support/architect for Rundeck automation suite, including Ansible playbooks and more, used for Linux server build automation, and other automation tasks.
- Primary support/architect for Prometheus server metric monitoring platform, integrated with Grafana.
- Assist with Linux architecture plans for UP's Azure journey.
- Write various Chef cookbooks, Bash scripts, and more ad-hoc/break-fix scripts for automation purposes.
- Mentor and assist colleagues and juniors from my team and others across the Tech org.

- **Project Engineer** Union Pacific

- Managed the Distributed (Unix/Linux, Windows) and Mainframe (TSO, CA7) production environments.
- Actively monitored alert systems and responded to application and infrastructure related alarms.
- Oversaw and deployed production application changes.
- Performed call leader duties during critical system outage situations, escalated to proper support teams, and ensured swift resolution.
- Developed and maintained scripts and programs to assist with the automation of daily work.
- Lead disaster recovery training exercises, performed failovers of critical systems and applications between multiple data center locations.

- **IT Intern** Union Pacific

- Provided Tier 1 Phone support and analysis.
- Quickly troubleshoot problems and found solutions by using available resources.
- Assisted in training of both new full time and interning analysts.

Education

Bachelors of Science in Computer Science

2014 - 2019

Skills