Tim King-Kehl

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

Work Experience

- **Senior Project Engineer** Union Pacific — 2021 - Present
  - Manage 12,000+ Linux servers across multiple data centers. 3 RHEL-based OS varieties, 10+ OS versions. Perform day-to-day system administrator duties: troubleshooting, disk slicing, application support, server upgrades/migrations.
  - 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, Ansible playbooks, 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.
  - Particapate in a 24x7 on-call rotation.

- **Project Engineer** Union Pacific — 2018 - 2021
  - 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 — 2016 - 2018
  - Provided Tier 1 Phone support and analysis.
  - Quickly troubleshot problems and found solutions by using available resources.
  - Assisted in training of new full time and interning analysts.

Education

Bachelors of Science in Computer Science
University of Nebraska - Omaha — 2014 - 2019

Skills

Linux - Bash - Ansible - Data Center - Troubleshooting - Rundeck - Python - Pacemaker - CentOS - Oracle - Automation - Chef - GlusterFS - Patching - Unix - Azure - Server Administration - Powershell - Documentation