

Blake T. Miller

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SKILLS

Development: Python, JavaScript, Bash, Git, RESTful APIs

Platforms: Linux, Docker, Kubernetes, Debian, RHEL, VMware, KVM, AWS

Management: SaltStack, Nginx, Grafana, InfluxDB, Jenkins, Elasticsearch, PostgreSQL

EMPLOYMENT

Site Reliability Engineer

Apple, July 2017 - Present

- ▶ Build and manage systems, infrastructure, and applications through automation
- ▶ Deploy, support, and monitor new and existing services, platforms, and application stacks
- ▶ Use scale testing to measure, tune, and optimization system performance
- ▶ Develop web applications using modern reactive frameworks
- ▶ Participate in periodic on-call duties

DevOps Engineer

Starbucks, March 2016 - July 2017

- ▶ Founding member of infrastructure development steering committee
- ▶ Established configuration management tooling for organization using SaltStack targeting 300 Linux servers with over 10,000 states applied
- ▶ Built monitoring and alerting solution for infrastructure services using Telegraf, InfluxDB, Grafana, and Slack
- ▶ Wrote custom data source backend for Grafana to enable dashboard templates leveraging the SaltStack API
- ▶ Evangelized continuous improvement across various development and operations teams
- ▶ Pioneered productionized container orchestration platform using Kubernetes and Flannel
- ▶ Deployed real-time data processing components of multi-regional Lambda Architecture using Kafka and ZooKeeper
- ▶ Empowered Java and NodeJS development teams to deliver software autonomously with Jenkins pipelines
- ▶ Orchestrated load balancer pool management with active/active infrastructure to achieve zero downtime maintenance
- ▶ Managed Elasticsearch clusters and PostgreSQL replication

Systems Administrator

UNT System, June 2014 - March 2016

- ▶ Managed Linux infrastructure stack for web presence of 4 UNT campuses using Apache
- ▶ Developed and maintained software for deploying Drupal websites
- ▶ Continuously improved services and applications
- ▶ Extended LMS software with automated deployment and installation
- ▶ Collaborated in organization to enhance monitoring services and load balancing
- ▶ Programmed against REST APIs available from Gitlab, Jenkins, F5 BIG-IP LTM, and Infoblox
- ▶ Managed configuration of multiple environments using SaltStack and git
- ▶ Produced internal technical documentation for various domain processes
- ▶ Mentored junior and part-time employees on best practices and developed skill sets

Support Technician

UNT College of Arts & Sciences, November 2011 - June 2014

- ▶ Provided desktop support to 3000 faculty and staff members for the largest college at the University of North Texas
- ▶ Built and configured production Munki server for software deployment to 300 Apple clients
- ▶ Compiled and enforced software compliance on Apple clients via reporting agent
- ▶ Developed Python modules for Apple clients through configuration management

EDUCATION

Bachelor of Science, Computer Science

University of North Texas, 2015