SPENCER JULIAN

Seasoned Senior SRE boasting a decade of hands-on expertise across diverse systems and applications. Demonstrated leadership as the lead engineer on numerous software and reliability initiatives. Renowned for mastery in automation and software design, with advanced proficiency in Go and Python. Recognized for a rapid grasp of new skills and adept project assimilation.

EXPERIENCE

SENIOR SITE RELIABILITY ENGINEER, APPLE; CUPERTINO, CA — 2017–PRESENT

- Worked with multiple development teams to build and maintain media intake pipelines for all of Apple's media services
- Designed and lead engineer for a self-service package version management system to simplify promoting package versions between environments, replacing a manual and error-prone ticket-based process
- Improved an internal Helm chart for deploying new Kubernetes services to become a standardized chart for the organization including several internal best practices built-in, reducing deployment complexity substantially
- Designed and built a command line tool and API service for simplifying and automating secrets management for an Apple internal secrets database, replacing a slow manual process and reducing downtime due to errors and security violations
- Worked with development teams to improve updates and distribution of the Transporter tool available in Xcode and the App Store
- Developed a bare-metal provisioning and management system to take machines from the dock to production automatically, including QA checks, to replace a manual validation process
- Onboarded and mentored several engineers into varying technical roles
- Led a group of 20-30 rotating engineers as technical interviewers for new, incoming candidates to the department, including writing assessments to be given to candidates of all levels
- Improved performance and account management of GitHub Enterprise Server, resulting in a large annual savings on licensing

DEVOPS ENGINEER, NVIDIA; SANTA CLARA, CA — 2016–2017

- Built a new CD system to reduce time from commit to deployment from days to hours

- Improved an existing multi-stage Jenkins CI pipeline to minimize developer workload while increasing output
- Implemented several improvements to team Git repositories while training the team in Git best practices

HPC SYSTEMS ADMINISTRATOR, PURDUE UNIVERSITY; WEST LAFAYETTE, IN – 2013-2016

- Created a new docker-based stateless infrastructure to allow quick and easy deployment of supporting infrastructure as well as greater configurability for some researchers
- Developed deployment infrastructure for multiple supercomputer builds, allowing for a drastic reduction in dock to production deployment time from weeks to a single business day
- Migrated multiple department SVN servers to a university GitHub Enterprise appliance hosted in AWS, reducing cost and maintenance burden

EDUCATION

PURDUE UNIVERSITY, WEST LAFAYETTE, IN – BACHELOR OF SCIENCE, COMPUTER ENGINEERING – 2013

SKILLS

Distributed Systems	Cloud-Native Infrastructure	Kubernetes
Linux Containers, e.g. Docker	Git, GitHub, GitLab	Package Management, e.g. Artifactory
Configuration Management, e.g. Puppet, Ansible	Continuous Integration, e.g. Jenkins, GitLab CI	Continuous Deployment (CI/CD)
Go	Python	Linux
System Architecture	Release Engineering	Software Infrastructure

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