Aric Gardner

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Code automation, review, repeat.
I strive to identify and implement best practices.
Infrastructure as code: Continous Integration, Continuous Deployment.
In an ideal world developers interface with compute as a commodity.
All technology decisions will eventually be proven wrong;
The key is understanding how long before we'll need a rewrite.

Professional Experience

2014-2021 DevOps/Continous Integration; The Linux Foundation

Developed automations to deliver self-service to the developers of large software collaborations (OpenDaylight, ONAP, OPNFV)

- Provided release engineering and system administration for collaborative Projects
- Supported Developers around the globe with jobs, docs and artifacts
- Deployed scaffolding for developer driven test with Jenkins job builder
- Migrated from static baremetal to dynamic provisioning of build nodes
- Contributed in-house code:
    - puppet, ansible, jenkins-job-builder, lftools, global-jjb
- Wrote api interfaces for Gerrit and Github
- Custom, YAML driven, in repo, automation for:
    - Committer rights
    - Artifact release/promotion
    - Project creation (Gerrit, Github, Jenkins)
- Jenkins Configuration automation in repo via JcasC
- Documentaion automation from .rst to readthedocs in jenkins
- Authored Kubernetes helm packages for Matrix chat and Jitsi Meet
- Worked with in house Terraform

2013-2014 Systems Administrator; eNovance

- Created a CI service for changes to our puppet manifest with Jenkins
- Upgraded production OpenVZ hypervisors, leveraging DRBD and LVM
- Deployed and configured hypervisors from PXE to Production
- H/A migration of Apache, Nginx, Mysql, Mongodb, Redis, Shoutcast services

- Deployed OpenVZ clusters with DRBD
- Managed AWS servers and created backup solutions for all clients
- Created and recovered Mysql and PostgreSQL replica sets
- Contributed bug fixes for and extended functionality of in house puppet modules.
- Scripted daily tasks,contributing to the overall automation of eNovances workflow.
- Created and improved Nagios checks for various services

2011-2013 Systems Administrator; Manwin Canada

- Wrote puppet infrastructure for in house software to streamline developer deployment
- Researched and implemented high availability solutions for both db and app servers
- Profiled, optimized and migrated MySQL and PostgreSQL databases
- Deployed production matching VM environments for developers
- Deployed upgraded latest technology stacks for high traffic websites:
  - redis, sphinx, postgresql, nginx, rabbitmq, haproxy
- Wrote automation scripts for my and other departments

2008-2011 Systems Administrator; StatusNet

- Deployed and managed infrastructure for StatusNet's cloud service
- Performed rolling upgrades of MySQL database clusters, leveraging replication
- Migrated high traffic websites across hosting environments with minimal downtime
- Capacity planning
- Documented deployment and recovery procedures
- Trained new employees
- Cross platform testing of the StatusNet software whith virtual machines
- Deployed the StatusNet software for clients behind their corporate firewalls
- Responded to support requests on the phone, IRC, e-mail and forums
- Deployed fault tolerant load balanced applications:
  - ActiveMQ, Meteord, Prosody
- Set up and maintained developer environments which matched production
- Set up and maintained the company mail server, mailing lists and CMS
- Monitored services and kept metrics
- Implemented nagios for monitoring and wrote custom nagios checks