Aric Gardner

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A self-taught technophile
Open-source, automation, best practices
Continous Integration
In an ideal world developers interface with compute as a commodity

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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, artifacts and everything in-between.
- 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 non trivial applications
- Worked with in house Terraform

2013-2014 Systems Administrator; eNovance

- Created a ci service for changes to our puppet manifest with Jenkins
- Preformed live updates of the Zimbra mail suite for multiple clients
- Preformed OS upgrades of production OpenVZ/KVM hypervisors, leveraging DRBD and lvm migration for minimal downtime
- Deployed and configured hypervisors from PXE to Production
- H/A migration of multiple services including: Apache, Nginx, Mysql, Mongodb, Redis, Shoutcast

- Deployed OpenVZ clusters with drbd for high availability
- 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 with Bash and Awk to contribute to the overall automation of eNovances workflow.
- Created and improved Nagios checks for various sevices

2011-2013 Systems Administrator; Manwin Canada

- Wrote and documented puppet infrastructure for in house software to streamline developer deployment.
- Researched and implemented systems to provide high availability for both database and application servers
- Profiled, optimized and migrated MySQL and PostgreSQL databases
- Configured virtualized development environments in KVM and XEN to match those in production for development teams
- Deployed software stacks leveraging the latest technologies for high traffic websites (redis, sphinx, postgresql, nginx, rabbitmq, haproxy)
- Wrote Bash scripts for my and other departments.

2008-2011 Systems Administrator; StatusNet

- Deployed and managed infrastructure for StatusNet's cloud service with Puppet and Git
- Performed rolling upgrades of MySQL database clusters, leveraging replication
- Migrated high traffic websites across hosting environments with minimal downtime
- Capacity planning and networking diagrams
- Documented deployment and recovery procedures
- Trained new employees
- Cross platform testing of the StatusNet software in virtual machines
- Deployed the StatusNet software for clients behind their corporate firewalls
- Responded to support requests on the phone, in IRC, via e-mail and on a forum
- Deployed fault tolerant load balanced applications, including ActiveMQ, Meteord and Prosody.
- Provisioned and decommissioned servers and services, both dedicated and in the cloud
- Wrote scripts to simplify the integration of production web and application servers
- 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
- Wrote customized nagios checks to monitor services