

ALLIE BARNES

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OBJECTIVE

To find a new home career-wise where I can utilize my current knowledge and experience Ops support, while also learning new technologies and constantly expanding my toolset.

CERTIFICATIONS

Red Hat Professional Certification Number: 120-211-123

Certified System Administrator: Dec 2012-Feb 2019

Certified Engineer: Jul 2013-Feb 2019

Certificate of Expertise in Server Hardening: Apr 2015-Apr 2018

Certified System Administrator in RH OpenStack: Feb 2016-Feb 2019

Credentials and Exam Transcript:

<https://www.redhat.com/rhtapps/certification/verify/?certId=120-211-123>

Certified OpenStack Administrator [Oct 2016 – Oct 2019]

COA License: COA-1600-0199-0100

SKILLS

- Strong multi-distro (Red Hat Linux, Ubuntu) Linux knowledge with hands-on operational administration and troubleshooting experience
- Configuration/troubleshooting of enterprise-level LAMP environments
- Hands-on experience monitoring, configuring, upgrading, and troubleshooting multiple OpenStack distributions (Red Hat OSP, OpenStack-Ansible)
- Installation/configuration/troubleshooting core & supporting Openstack services: Apache, MySQL/Galera, RabbitMQ, Nova, Glance, Keystone, etc.
- Infrastructure management and deployment experience with Infrastructure as Code (Ansible, Puppet, Heat)
- Operational experience with multiple platforms such as: LXC, Docker, Kubernetes
- Experience with infrastructure automation platforms such as: Ansible/Ansible Tower, GitLab, Spinnaker, Terraform, Kubernetes
- Basic scripting exposure (mostly Bash, basic Python)
- Experience providing support & customer service via ticketing system/chat/phone/email
- Experience with deployment and configuration of monitoring systems such as Cacti and DataDog
- Experience with on-call shifts and responding to incidents via PagerDuty
- Heavy experience writing internal technical documentation
- Basic experience writing Kubernetes service templates and doing basic administration and troubleshooting tasks

EXPERIENCE

Rackspace Hosting (Jan 2012 – Feb 2017), (Oct 2018 - Present)

OpenStack Engineer [Oct 2018 - Present], [Aug 2015 – Feb 2017]

- Experience operating, managing/updating, and troubleshooting Red Hat OSP as well as OpenStack-Ansible
- Providing subject-matter expertise across the team on RHOSP, including spreading knowledge such as developing documentation and giving BrownBag sessions
- Hands-on experience with Pacemaker and it's managed services on RHOSP
- Network troubleshooting using tcpdump inside net namespaces and across physical network interfaces
- Operation, administration, and troubleshooting of different container types on different OpenStack distributions - LXC for OpenStack-Ansible and Docker for RedHat OpenStack
- Basic administration and troubleshooting of Ceph deployment environments
- experience troubleshooting core OpenStack services (nova,glance,etc.) as well as supporting OpenStack services (RabbitMQ, Galera, OVS/Linux bridges)
- Performed numerous OpenStack deployments on RHOSP/TripleO using Ironi, Heat, Puppet, and Ansible
- At-scale management of OpenStack environments via Ansible ad-hoc & playbooks
- RHOSP product evaluation & bug reporting (to Red Hat QA team)
- Assisted writing internal documentation for RHOSP/Ceph
- Provided technical information contributing to public-facing articles on Rackspace's blog for RHOSP (example: <https://blog.rackspace.com/making-openstack-upgrades-forgettable>)

Linux Administrator [Jan 2012-Aug 2015]

- Provided an escalation point to other Linux administrators on team, routinely mentored peers/new Rackers as well as students from CyberPatriot and Open Cloud Academy's Linux for Ladies program.
- Wrote and scheduled maintenance plans for production downtime tasks
- Quality-checked maintenance plans for validity
- Reported issues & feedback with automation systems
- Phone and face-to-face interviewing of potential Linux candidates
- Respond to monitoring alarms related to server-issues such as high-CPU, low-disk space, etc.

TeamSnap (Apr 2017 - Oct 2018)

Operations Engineer [April 2017 - Oct 2018]

- Wrote automation playbooks with Ansible to complete Ops tasks such as infrastructure management, CI/CD deployments, management/deployment of Ruby/Elixir-based microservices onto containers, etc.
- Experience with Docker, preparing Dockerfiles for microservices to be deployed into a Kubernetes cluster hosted on Google Cloud Platform.
- Work on-call shifts and respond to incidents via PagerDuty
- Provide IT Support for company (OpenVPN management, Google Admin Suite)
- Tuned F5 resource pools based on resource utilization
- Deploying and creating basic dashboards with DataDog
- Basic Kubernetes troubleshooting, administration, and writing service templates
- Created/managed infrastructure with Terraform