

Brian Auron

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Skills Profile

- Automation via Python, Golang, Bash, and orchestration tools (Rundeck)
- Microservices creation and deployment (Docker, Kubernetes)
- Stateful configuration management (Puppet, Ansible, Terraform)
- Operating Systems: Linux (Ubuntu/CentOS), Solaris, Mac OSX, Windows XP/Vista/7, F5 BigIP Load-Balancer
- Enterprise Cloud Environments (AWS, Rackspace), datacenter virtualization (VirtualCenter, Libvirt/Qemu)
- Japanese & Mandarin Chinese

Employment History

Systems Dev Engineer - AWS Elemental, Portland, OR (August 2017 - Present)

- Monitor, maintain, and document infrastructure services
 - Ansible, Terraform, Jenkins, AWS (various)
- Automate building and deployment of services and tools
 - Sonatype Nexus 3 in ECS HA-cluster
 - Jenkins pipelines with test-on-commit
 - Fluentd+Kinesis+ElasticSearch logging/alerting stack
 - Terraform and Cloudformation projects and stacks
- Develop and maintain source code for
 - Automated end-to-end video streaming service in AWS Lambda+ECS for developers/testing, supporting RTP, RTMP, Zixi
 - Custom git review tool in Python
 - Code coverage analysis and reporting in Python, AWS Lambda, AWS ECS, and Slack integration
- Design and implement source control and CI/CD system which meets Amazon security standards
 - Maintain product development/release velocity while shifting from Jenkins to AWS CodeSuite
 - Reduce/remove static credential use; require role-assumption for all operations
 - Develop and maintain tools for working in new environment, e.g. git+s3 lfs storage

Platform Operations Engineer - Jive Software, Portland, OR (June 2016 - Present)

- Monitor and maintain infrastructure services; LDAP, Puppet, Ansible, Kubernetes
- Develop and maintain documentation for infrastructure services; LDAP, Puppet, Ansible, Kubernetes
- Automate building and deployment of kubernetes stacks (Ansible and Terraform)
- Python "code school" subject matter expert; lessons, code reviews, advice, support for anybody at Jive
- Develop and maintain source code for
 - automated LDAP and AWS accounts
 - kubernetes+applications secrets management
 - Lemur client certificate automation (Golang)

Network Operations Center (NOC) - Jive Software, Portland, OR (November 2014 - June 2016)

- Monitor and triage incidents for both infrastructure and customer VMs and applications
- Collaborate on developing and maintaining documentation for common NOC processes, tools, and scripts
- Develop and maintain source code (Python, jQuery) and database (postgresql) for NOC orchestration and reporting tool

School of Math - University of Minnesota, Minneapolis, MN (April 2013 - November 2014)

- Design, build, and maintain host management system (Puppet) and orchestration (RunDeck)
- Implement documentation standards for all systems applications and backfilled documentation for existing systems.
- Work directly with end users to resolve complex requests including successfully defusing high-conflict problems.
- Initiate, plan, and maintain version control (Git) best practices for scripts, projects, and code bases

Operations Team - Digi Intl. Headquarters, Minnetonka, MN (June 2011 - April 2013)

- Build, maintain, and respond as primary on-call team member of monitoring solution for uptime and trending of server clusters, in particular iDigi (my.idigi.com)
- Maintain and tune test and development environment provisioning system for software engineers utilizing Active Directory, Microsoft SQL, Puppet, and Python
- Write and maintain documentation on standards for configuration management, change management, scripts, and monitoring practices surrounding my.idigi.com

School of Computer Science - University of Minnesota, Minneapolis, MN (Fall 2009 - June 2011)

- Verify, correct, and restore Amanda backup software process results
- Manage and resolve end user requests via RT Task Management software
- Maintain a broad spectrum of knowledge about workstations, networks, databases, and user accounts for the School of Computer

Science

Education

- Bachelor of Science - Computer Science - University of Minnesota - May 2011
- Bachelor of Arts - Asian Languages & Literature - University of Minnesota - December 2007