Gregory Boyce

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Experienced Linux Geek and Engineering Manager with 20+ years of experience looking for opportunities to apply my skills and learn learn learn.

EXPERIENCE

ActiveState
Team Lead – Tools and Infrastructure
October 2021 – Present

- Implemented CloudFront for the ActiveState Platform using Terraform.
- Imported existing AWS infrastructure into Terraform.
- Identified and developed an action plan for remediating technical debt.
- Shared responsibilities for Mesos and Kubernetes clusters, as well as a CircleCI pipeline.
- Created packer configurations for Windows and Linux VMs
- Created dockerfiles for several widely used container bases.
- Regularly reviewed security posture with internal IT and an external vendor.
- Provided mentorship for an intern who came in with no previous work experience.

ActiveState
Build Engineer
July 2020 – October 2021

- Responsible for custom builders for building a large collection of Open Source software on Windows (Mingw/MSVC), MacOS and Linux.
- After 6 months, I took on responsibilities for providing support to community members encountering problems on the platform.
- Lead the effort for migrating python ingredients to a newer build platform, in addition to creating supporting documentation.

Auburndale Technology, LLC
Owner
March 2018 – July 2020

- Worked on developing my writing and creative thinking skills through articles published on Medium.com.
- Created a plan for community focused private clouds.
- Created a community space for learning tech skills that was scheduled to open in Sprint 2020.

SKILLS

Linux – All distros
Kubernetes
AWS
Vagrant
Docker
FreeBSD/OpenBSD
Information Security
Python/Perl/Bash
DNS/SMTP/IMAP/HTTP/TLS
IPv4/IPv6
ZFS/LVM
Libvirt/KVM/Virtualbox
Systems Architecture
Problem Solving
Writing
Postgres/Mysql

Writing/Code

Linux Networking Cookbook

[ISBN 1785287915]

Personal Writing

https://auburndaletech.com

https://github.com/gdfuego

https://gitlab.com/gdfuego

Akamai Technologies, Cambridge, MA
Team Lead/Manager – Linux OS Team

June 2013 - March 2018

In 2013 I stepped into a Team Lead role for the Linux OS development team, which was responsible for our OS installation tools as well as the OS itself. Responsibilities of this team included debian package creation and management, management of our developer virtual build environment, and handling third level troubleshooting for issues on the production network.

When I took over, our next OS release was over 2 years late and not yet ready. There were no defined methods for managing the OS and the existing team members had been assigned pieces without sufficient understanding of the whole.

I worked with those team members to determine what pieces of knowledge were still with the team and to document them. Together we worked to define new management processes in order to avoid various issues that had plagued our OS releases and ensured that they were documented and often automated through new tooling.

Within a few months we were able to release the previously delayed release. We also identified problem areas that we should address with our next release. Since then we've been able to deploy new major OS releases on a 2 year cycle with significant improvements per release.

The role eventually became the team manager, which was a recognition of the work I was already doing, rather than an increase in responsibilities.

Akamai Technologies, Cambridge, MA
Software Engineer in Test

June 2011 - May 2013

Primary testing and operations resource for a critical internal web based configuration management system written in a combination of Python and Javascript. In this role my primary responsibility was working with developers to perform feature testing on this service prior to handoff to the SQA team responsible for regression testing.

Additional responsibilities included acting as a buffer between internal customers and developers, including writing documentation and handling inbound escalations.

Sitespect, Inc., Boston, MA
Senior Implementation Engineer

March 2010 - June 2011

DevOps+ role encompassing customer integration work, managing and operating the company's SaaS service as well as customer appliances, as well as handling internal IT responsibilities.

During my time at SiteSpect I streamlined our appliance deployment process, bringing the time to install a single system down from several hours to ~5 minutes. Also developed a process for performing online OS upgrades to their systems without losing data.

Akamai Technologies, Cambridge, MA
Various

March 1999 - March 2010

Between 1999 and 2010, I worked in various roles at Akamai including:

- Senior Network Operations Engineer (1999-2005): Helped build the new Network Operations (now Platform Operations) team shortly after the forming of the company. Built a lot of the early infrastructure for the team including the desktop systems, the internal team website for documentation, IRC server for internal communication and a KRB5/AFS file server. Provided third level support for our production systems, writing a large percentage of the early documentation and processes for the team.
- Team Lead for Security Operations (2005-2007): Responsible for developing a vulnerability tracking and discovery process as well as performing security reviews of new IT systems. I stepped into a team with essentially no well defined processes and helped define the role of the team while learning how to perform security operations.
- Senior Architect within Systems Administration (2007-2009): Reverse engineered the organically grown and largely undocumented internal mail relay infrastructure. Designed and built replacement infrastructure which dropped spam delivery by 90%+ and dramatically improved mail delivery times. Also built the internal XMPP based chat solution still in use by the company today.
- Senior Solutions Architect (2009-2010): Responsible for handling Enterprise customer integrations with our CDN, storage and DNS services.