

Caleb Boylan

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Core Technical Skills

Proficient Languages: Rust, Python, Bash

Familiar Languages: C, C++, Java

System Administration Technologies: Ubuntu, CentOS, Ceph, OpenStack, ZFS, Puppet, Ansible

Experience

- **System Administrator**

September 2017 – May 2018

Ormuko

Portland, OR

- Automated the deployment of OpenStack public and private clouds using Kolla.
- Designed, maintained, and upgraded multiple Ceph clusters based on client needs.
- Performed storage cluster performance testing in order to decide on QoS limitations.

- **Cloud Intern/Developer Advocate Intern**

August 2015 – September 2017

DreamHost

Portland, OR

- Automated the publication workflow for DreamCompute and DreamObjects documentation using Bash, Python, and Jenkins.
- Updated the DreamHost Forum to run on Discourse while preserving existing data.
- Contributed to several OpenStack projects including Shade, API Site, and OpenStack Manuals.
- Copresented a 40 minute talk “From Upstream Documentation To Downstream Product Knowledge Base” at the 2016 OpenStack Summit in Austin, Texas.

- **System Administrator/Tech Support**

October 2014 – September 2017

The Computer Action Team

Portland, OR

- Administered Linux lab computers, compute servers, Solaris and FreeBSD file servers, package mirrors, web servers, and a 3 node Ganeti cluster as part of the Linux/UNIX team with Ansible, Puppet, and Bash scripts.
 - Built and managed a 3 node, 6 OSD Ceph cluster.
 - Automated cloud OS image building with Bash, Cron, and Diskimage-builder.
 - Trained new junior system administrators on administering Linux and UNIX systems.
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Major Projects

- **Apt package mirror**

<https://github.com/squidboylan/apt-package-mirror>

I wrote a Ubuntu package mirror synchronization tool using Python and rsync. The tool ensures that your mirror is always in a good state and never refers to missing packages. It mirrors an upstream public mirror and does not rebuild indices so it can be used to run public mirrors. It is used by The Computer Action Team to run <https://mirrors.cat.pdx.edu/ubuntu>.

Education

- **B.S. in Computer Science**

In Progress

Portland State University

2014 - 2019

Relevant Courses Completed:

- CS 494P Internetworking Protocols
 - CS 410P Rust Programming
 - CS 461P Open Source Development Lab
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References Available upon Request