Caleb Boylan

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Core Technical Skills

Proficient Languages: Rust, Golang, Python, Bash
Familiar Languages: C, C++, Java
System Administration Technologies: Ubuntu, CentOS, Ceph, OpenStack, ZFS, Puppet, Ansible

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Experience

- **Quality Engineer (SDET)** — **Ansible by Red Hat**
  July 2019 – Present — *Portland, OR*
    - Automated testing for Ansible Tower 3.6 and 3.7 using Jenkins, Python, and Bash scripts.
    - Tested the Tower Ansible Collection as part of the effort to convert it from an unsupported project to a supported project.
    - Led the testing effort for the Receptor core project using Golang to write automated tests

- **System Administrator** — **Ormuco**
  September 2017 – May 2018 — *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** — **DreamHost**
  August 2015 – September 2017 — *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** — **The Computer Action Team**
  October 2014 – September 2017 — *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.
    - Trained new junior system administrators on administering Linux and UNIX systems.

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 esures 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** — **Portland State University**
  Cum Laude — *2014 - 2019*