

# HENDERSON REED HUMMEL

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## EXPERIENCE

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### Red Hat

August 2020 – July 2023

*Software Development Engineer in Test*

*Portland OR (remote)*

- Lead design and development of an open-source Python-based testing library/interface. This consolidated duplicated testing code from 4 repositories to just 1.
- Develop automation and test tooling in Python (pytest), Javascript (React, Cypress), Jenkins Pipelines (Groovy), Ansible Playbooks, Docker, Kubernetes.
- Write and maintain integration tests, test/build pipelines, testing tools for Ansible Automation Platform products.
- Develop and improve the documentation of projects and processes.

### Tripwire

July 2019 - December 2019

*Software Developer Intern*

*Portland OR*

- Develop bugfixes in Python and C++ for highly multi-threaded, cross-platform, and distributed agent-based server monitoring software.
- Diagnose bugs ranging across platforms and architectures (PowerPC, x86, x64, IBM AIX, RedHat Enterprise Linux, CentOS, Debian, Ubuntu, Windows.)
- Evaluate new architectures for future development (IBM Z Systems, Linux on Z.)

### Jama Software

January 2019 - July 2019

*DevOps Intern*

*Portland OR*

- Work extensively with Python, Docker, TeamCity CI integration, and Amazon Web Services (specifically EC2 instances and Lambda functions) to enable a fully automated CI/CD pipeline for a serverless utility designed to improve traceability of source code to relevant specifications.
- Collaborate to improve the reliability, speed, and trace-ability of source code and built artifacts.

### PSU Computer Science Dept.

April 2018 – June 2020

*Computer Science Tutor*

*Portland OR*

## PROJECTS

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### galaxykit

 [ansible/galaxykit](https://github.com/ansible/galaxykit)

*testing client for Red Hat Ansible Automation Platform products*

- Galaxykit was a greenfield project I led at Red Hat to consolidate duplicated testing code across numerous codebases and repositories. It is currently developed, and was used across front-end, backend and infrastructure repositories at Red Hat at the time of my departure. My contributions on Github disappeared when migrating to the official Ansible repo, but can be seen on [my original repo](#).

### psg

 [hendersonreed/psg](https://github.com/hendersonreed/psg)

*python static site generator*

- Written in vanilla Python, psg has one dependency and lives in one file to ensure straightforward use and maintenance. It currently generates [hendersonreed.github.io/](https://hendersonreed.github.io/)

## EDUCATION

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### Recurse Center

*August 2023 - Oct 2023*

### Portland State University

*September 2016 - June 2020*

Bachelor's of Computer Science