

HENDERSON REED HUMMEL

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EXPERIENCE

Red Hat

Software Engineer in Test

August 2020 – July 2023

Portland OR (remote)

- Lead design and development of an open-source testing library/interface. Consolidate duplicated testing code by 75%.
- Write test tooling in Python (pytest), Javascript (React, Cypress).
- Automate test/build pipelines with Jenkins Pipelines (Groovy), Ansible Playbooks, Docker, Kubernetes.
- Expand automated integration test suites for Ansible Automation Platform products by 35%.
- Extend and maintain 3 suites of integration tests (comprising hundreds of individual tests), numerous test pipelines (testing dozens of product/platform/OS combinations) for Ansible Automation Platform products.
- Improve and add to the documentation of projects and processes by 30% to 50%.
- Work closely with 50 other engineers ranging across front-end, back-end, test, as well as product management and technical documentation professionals.

Tripwire

Software Developer Intern

July 2019 - December 2019

Portland OR

- Develop 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.)

Jama Software

DevOps Intern

January 2019 - July 2019

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. This guaranteed 100% of PR commit messages contained work ticket IDs.

PSU Computer Science Dept.

Computer Science Tutor

April 2018 – June 2020

Portland OR

PROJECTS

galaxykit

testing client for Red Hat Ansible Automation Platform products

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

- Written in Python, Galaxykit is a greenfield project I led at Red Hat to consolidate redundant testing code across numerous codebases and repositories. It is currently developed, and used across front-end, backend and infrastructure repositories at Red Hat. Adoption of Galaxykit reduced duplicated code by 75% or more. My contributions on Github disappeared when migrating to the official Ansible repo, but can be seen on [my original repo](#).

psg

python static site generator

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

- 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/

EDUCATION

Recurse Center

August 2023 - Oct 2023

Portland State University

Bachelor's of Computer Science

September 2016 - June 2020