HENDERSON REED HUMMEL

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EXPERIENCE

Personal Sabbatical   November 2023 – Present

Red Hat   August 2020 – July 2023
Software Engineer in Test   *Portland OR (remote)*

At Red Hat I developed substantially under the responsibilities and mentorship I was given. Initially I was writing automated tests, but by the end of my time there I was designing and implementing internal tooling, advising on testing and development strategy, leading code consolidation/refactoring efforts, interviewing candidates and contributing to process development.

· Led design/development of open-source testing library/client interface. Consolidated redundant testing code by 75%.
· Wrote test tooling in Python (pytest), Javascript (React, Cypress).
· Built automated test/build pipelines with Jenkins, Ansible, Docker, Kubernetes, Bash, Amazon AWS.
· Expanded automated integration test suites for Ansible Automation Hub by 35%.
· Extended and maintained 3 suites of integration tests (comprising hundreds of individual tests), numerous test pipelines (testing dozens of product/platform/OS combinations) for Ansible Automation Hub.
· Responsible for documentation of Ansible Automation Hub QA processes and projects. Improved and expanded documentation of codebases worked on by 30% to 50%.
· Worked closely with 50 other engineers in the Ansible organization ranging across front-end, back-end, test, as well as product management and technical documentation professionals.

Tripwire   July 2019 - December 2019
Software Developer Intern   *Portland OR*

· Diagnosed and fixed bugs in Python, C++, and infrastructure configuration ranging across wide array of platforms and architectures (PowerPC, x86, x64, IBM AIX, RedHat Enterprise Linux, CentOS, Debian, Ubuntu, Windows.)

Jama Software   January 2019 - July 2019
DevOps Intern   *Portland OR*

· Responsible for deploying and maintaining internal tooling to ensure 100% of commits could be traced to work tickets. This was required for certifications Jama needed to maintain for major clients.
· Used Python, Bash, Hashicorp Packer, TeamCity CI, and Amazon Web Services (EC2 and Lambda) to build fully automated CI/CD pipeline for above utility.

PSU Computer Science Dept.   April 2018 – June 2020
Computer Science Tutor   *Portland OR*

PROJECTS

galaxykit   ⏻ ansible/galaxykit
testing client for Red Hat Ansible Automation Platform products

· Written in Python, Galaxykit is a greenfield project I led at Red Hat to consolidate redundant testing code across numerous codebases and respositories. It is currently developed, and used across front-end, backend and infrastructure repositories at Red Hat. Adoption of Galaxykit by other teams consolidated duplicated code from 4 repositories to just 1. My contributions on Github disappeared when migrating to the official repo, but can be seen on [my original repo.](my original repo)

EDUCATION

Recurse Center   *August 2023 - Oct 2023*

Portland State University   *September 2016 - June 2020*
Bachelor's of Computer Science