


# HENDERSON REED HUMMEL

reed.hummel@gmail.com —  hendersonreed — [henderson.lol](https://henderson.lol)

## TECHNICAL STRENGTHS

---

Languages	Go, Bash, Python, JavaScript, HTML/CSS
Technologies	Docker, Github Actions, Terraform, Kubernetes, Chef, Ansible
Environments	Linux/Unix, AWS, DigitalOcean Cloud, macOS

## EXPERIENCE

---

DigitalOcean	June 2024 – present
<i>Software Engineer II</i>	<i>Portland OR (remote)</i>

- Operated and maintained a globally-distributed internal server configuration system managing a fleet of 27,000 production servers across 9 regions with Ruby, Golang, Bash.
- Maintained internal configuration tooling and CI/CD in Golang, Bash, Ruby, Docker, Kubernetes, and Github Actions.
- Participated in on-call rotation and incident response for critical infrastructure.
- Led weekly planning sessions and mentored engineers onboarding to the team.
- Deployed new infrastructure for internal platforms with Terraform, Ubuntu, Docker, S3.
- Provided subject matter expertise to product and SRE teams consuming platform services.
- Built observability tooling - Grafana dashboards, Pagerduty alerting, Prometheus metrics.

Red Hat	August 2020 – July 2023
<i>Software Engineer in Test</i>	<i>Portland OR (remote)</i>

- Designed and developed a testing library and client used across several product teams at Red Hat.
- Consolidated test implementations across 4 codebases into a single shared interface.
- Built automated test coverage for user workflows in Ansible Automation Hub using Python and React (pytest, cypress)
- Built, extended, maintained numerous CI pipelines in Jenkins and Ansible.
- Maintained internal tooling and test coverage in collaboration with backend and frontend developers.
- Documented QA processes and test interfaces used by other teams.

Tripwire	July 2019 - December 2019
<i>Software Developer Intern</i>	<i>Portland OR</i>

- 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
<i>DevOps Intern</i>	<i>Portland OR</i>

- 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.

## PROJECTS

---

galaxykit

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

qrl

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

*CLI QR code web server*

- A simple Unix-philosophy QR code generator, accessible solely via an API endpoint. Written in Golang.

## EDUCATION

---

Recurse Center

*August 2023 - October 2023*

Portland State University

*September 2016 - June 2020*

Bachelor's of Computer Science