

HENDERSON REED HUMMEL

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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](#)

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](#)

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