

# Harry Seeber

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[github.com/w0de](https://github.com/w0de)

## EXPERIENCE

### Client Platform Engineer, Gusto – Denver, CO

10/17 - 2/23

Managed configuration, lifecycle, and security compliance of 90% Mac fleet

- Scaled and iterated high reliability system from 400 to ~5,000 devices.
- Monitored security threats, developer tool bugs, and hardware instability
- Enabled an IT Support to staff ratio of over 100:1.

Pioneered use of configuration management tools/processes for devices

- Automated version-controlled Mobile Device Management (MDM) profiles via Chef and Python hosted in AWS Lambda to enable efficient migration.

Improved internal infrastructure with over 5 years of continuous development

- Coded webhooks and glue scripts in AWS, deployed with Terraform. Automated PKI, inventory & directory management, and other systems.
- Automated update pipeline for 89 packages with git-lfs, Autopkg, and Github Actions.
- Built Gusto's internal golinks app with Python (Flask) and coded CRUD module for REST api to integrate third-party SaaS shortlink service.
- Integrated Workday with Active Directory deployment, scaled from 600 to ~2k employees.

### Software Engineer Rotation, Gusto – Denver, CO

05/22 - 12/22

- Implemented device management feature for [app.gusto.com](http://app.gusto.com) in React/Rails with Terraform and Docker.
- Collaborated as subject matter expert for MDM system design.

### Freelance Programmer, South America

01/16 - 10/17

Provided onsite/remote ongoing on-call infra support for small businesses

- Setup infrastructure for client and performed security penetration testing for Tortuga Marine and Avicor, Panamanian enterprises.
- Migrated infrastructure for Findor, concert tickets startup.
- Built custom monitoring tool for rural ISP with Python (Flask) and Heroku.

### System Administrator, Connectworkz – Denver, CO

01/15 - 01/16

Connectworkz provides Content Management System (i.e. Wordpress, Joomla) development, design, and hosting for local, small businesses

- Rebuilt and managed simplified infrastructure for ~1k virtual hosts.
- Automated system administration role using Docker and ansible.

### Editor, Capitol Communications — Denver, CO

01/14 - 01/15

Reported, assigned, and edited articles on local government and society

### Crew & Skipper, various yachts — Worldwide

01/09 - 01/13

## PROJECTS

### Autopkg Pipeline and autopromote.py — Endpoint Patching Tools

Widely adapted Apple endpoint patching tools. A fully automated pipeline.

<https://github.com/Gusto/it-cpe-opensource/tree/main/autopkg>

<https://github.com/Gusto/it-cpe-opensource/tree/main/autopromote>

### cpe-chef — Endpoint management with Chef & MDM

Innovative integration of Chef-defined configuration and MDM APIs.

<https://github.com/Gusto/it-cpe-opensource/tree/main/chef>

## TECHNICAL SKILLS

### Programming Languages

Python, Ruby [on Rails], React, Go, PHP

### Software Engineering

- System Design
- Object Oriented patterns
- Computer Security

### Scripting Skills

\*nix system administration, {z,ba}sh

### CI/CD

Terraform, Docker, Chef, Ansible, Github [Actions]

### Apple Mobile Device

#### Management protocol

Nanomdm, Micromdm, Workspace One, Jamf, Kandji, Osquery, Autopkg, Munki

### Observability Tools

Datadog, Bugsnag, Osquery, Filebeat

## SOFT SKILLS

- Time management
- Teamwork
- Written and verbal communication
- Adaptability
- Commitment to learning
- Attention to detail

## EDUCATION

3rd year credits towards Economics degree Montana State University, Bozeman, University of Colorado, Denver —Incomplete

Apprenticeship, Gannon & Benjamin Marine Railway

## LANGUAGES

Intermediate Spanish