

Harry Seeber

Client Platform Engineer | harry.seeber.io

h@rry.seeber.io

+1 720 990 1340

Experience

Client Platform Engineer, Gusto, Denver | 10/17 – 03/23

- Managed the configuration, lifecycle, security compliance, and patching for a 90% Mac fleet.
 - Maintained and iterated a high reliability system which scaled from 400 to ~5,000 devices. Consistently enabled an IT Support to staff ratio of over 100:1.
- Helped pioneer the use of DevOps configuration management tools and processes for physical client devices.
 - Device configuration as code with Chef, Munki, and Autopkg.
 - Automated and version controlled management of Apple Mobile Device Management (MDM) profiles via Chef and a Python middleware hosted in AWS.
 - Enabled an exceptionally quick & simple migration between MDM providers. 1 month to plan, validate, and execute.
 - Wrote and maintained multiple webhook and glue scripts in AWS, deployed with Terraform.
 - Automated update pipeline for 89 packages with git-lfs, Autopkg, and Github Actions.
 - Proactively monitored for security threats, bugs in developer & IT management tools, and hardware instability using Datadog, Bugsnag, and Osquery.
 - Deployed enterprise tools like CrowdStrike Falcon, Kerberos SSO, and Cisco Anyconnect.
 - Several device trust deployments, including Zscaler and Okta Verify.
 - Rotated on a software engineering team and helped implement device management feature for app.gusto.com in React/Rails with Terraform and Docker.
 - Coded features and was subject matter expert for MDM system design.
- Built Gusto's internal golinks app with Python (Flask). 5 years continuous deployment.
 - Subsequently integrated third-party SaaS shortlink service (coded CRUD module for vendor's REST api).
- Wrote a glue module integrating Workday with an Active Directory deployment. Scaled from 600 to ~2000 employees.
- Touchless provisioning of user endpoints from the beginning of the COVID-19 pandemic.

System Administrator, Programmer, Freelance, mostly S. America | 01/16 - 10/17

- Contract clients from referrals and online profiles (eg. upwork.com). On-going on-call infra support for Connectworkz and other small businesses.
- Contracts both remote and on-site.
 - On-site infrastructure and client setup & pentest for two Panamanian enterprises.

- o Infrastructure migration for a concert tickets startup.
 - o Custom monitoring tool for a rural ISP, built with Python (Flask) and Heroku.
 - o During a pentest, gained access to an on-site Hikvision security camera system with just a Chromebook, Crouton, and google.com.
- Extensive independent education: perused courses freely offered online by Harvard, MIT, and similar institutions - rarely simply in service of a specific contract.
 - o Basics of Python, Ruby, particularly Flask, Django, and Rails.
 - o The use of common exploits & related open source tooling like metasploit.
 - o Basic data structures and OO patterns, largely from MIT Open Learning.
- Improved my Spanish.

System Administrator, mostly Denver, Connectworkz | 01/15 – 02/16

- Connectworkz provides CMS (Wordpress, Joomla) development, design, and hosting for local small businesses.
- Automated my job. Managed, rebuilt, simplified infrastructure for ~1000 virtual hosts. Learned:
 - o Common BSD and GNU tools, {z,ba}sh shells, some Python
 - o Docker, *nix system administration, automation, and ansible
 - o Basic services offered by AWS, Heroku, GCP, &c.

Editor & Reporter, Denver, Capitol Communications | 01/14 – 01/15

Crew & Skipper, worldwide, various yachts | 01/09 – 08/09, 01/10 - 01/13

Skills

- Apple Mobile Device Management protocol
 - o Nanomdm, Micromdm, Workspace One, Jamf, SimpleMDM, Kandji, and other vendors
 - o Osquery, Autopkg, and Munki
- Chef, Ansible, Salt
- Docker, Terraform, some Kubernetes
- Python (Flask and Django), Ruby (Rails), React, Shells, Go, PHP
- *nix system administration, common BSD and GNU tools
- Conversational Spanish

Education

- 3rd year credits towards a degree in Economics from Montana State University, Bozeman and latterly the University of Colorado, Denver. Incomplete.
- International Baccalaureate program, George Washington High School, Denver. Graduated 2008.
- Apprenticeship, Gannon & Benjamin Marine Railway.
- Self directed research and projects. I'm an apt learner, a constant reader, and a script kiddie.