Harry Seeber

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EXPERIENCE

Client Platform Engineer, Faire – *Denver, CO (remote)*　　6/23 - Present
Manage configuration, lifecycle, and security compliance for >1000, 90% Mac fleet
- Implemented IaC endpoint & service management with Terraform, Python, Go.

Built multi-service API client & utility Python library
- Supported 4 large & many small IT engineering projects across specializations.

Built 12 service to Snowflake ETL pipelines (and a supporting library)
- Services included Mist, Google Workspace, and Slack.
- Data (>20m rows) informed critical C-suite management & financial decisions.

Implemented Terraform management for Google Workspace and Jamf
- Contributed features & fixes to Terraform providers (see Open Source Projects).
- Implemented version control & CI for device configuration (macOS profiles, &c).
- Built automatic self-service flows for common device & service reconfigs.
- Reduced quarterly device-related IT Eng escalations & IT support tickets by >50%. Reduced declared device management incidents per quarter to ~nil.

Software Engineer Rotation, Gusto – *Denver, CO (remote)*　　06/22 -12/22
As part of a small team, built a device management feature for gusto.com
- With React/Rails implemented a frontend, Apple MDM server, & Intune client.
- Was subject matter expert for our MDM system's design & related best practice.

Client Platform Engineer, Gusto – *Denver, CO (remote)*　　10/17 - 2/23
Managed configuration, lifecycle, and security compliance for >3000, 90% Mac fleet

Pioneered use of configuration management tools/processes for device admin
- Automated & version-controlled MDM profiles' lifecycle & state with Chef & Python (the latter hosted in AWS Lambda).
- Automated & version-controlled Windows device config with Chef.
- Enabled an exceptionally stable MDM provider migration - zero user impact.

Improved internal infrastructure with ~5 years' continuous dev & maintenance
- Automated package update pipeline with git-lfs, Autopkg, and Github Actions (see Open Source Projects). Enabled the automatic patching of >100 packages.
- Built an internal golinks app with Python's Flask framework. In use for >5 years with >10,000 links.

Freelance Programmer – *Panama (mostly remote)*　　01/17 - 10/17
Implemented and supported 17 diverse projects for both local and remote businesses
- Defined and deployed IT infra for two local companies (marina, tax law firm).
- Migrated Django app infra (AWS -> Heroku) for concert tickets startup Findor.
- Built infra monitoring app for a rural Nevada ISP (Python's Flask framework).

System Administrator, Connectworkz – *Denver, CO*　　01/16 - 01/17
Inventoried, grokked, maintained, secured, rebuilt infra for ~500 CMS virtual hosts
- Reduced monthly infra cost by ~75%, patched many vulns, simplified customer onboarding. Implemented an email service with postfix & Plesk.
- Eventually automated my sysadmin role & transitioned to freelance support.

Editor, Capitol Communications – *Denver, CO*　　01/15 - 01/16
Crew & Skipper, various yachts – *Worldwide*　　01/09 - 01/15

OPEN SOURCE PROJECTS

Author, Autopkg pipeline, autopromote.py, & cpe-chef
　　github.com/Gusto/it-cpe-opensource

Contributor, Jamf & Google Workspace Terraform providers
　　github.com/deploymenttheory/terraform-provider-jamfpro
　　github.com/w0de/terraform-provider-googleworkspace

TECHNICAL SKILLS

Programming languages
- Python, Ruby, Go, JS, PHP
- Can learn any language or framework

Software Engineering
- System, DB schemata design
- OO, functional patterns
- Django, Flask, Rails, React, Node
- ETL pipelines, pandas, SQL, common ORMs, Snowflake
- HTTP{s}, TCP, Bluetooth {LE}, LDAP, IPP, LPD, & Apple MDM protocols

Systems Admin & Infra Engineering
- {u,li}nix, BSD config, hardening
- {z,ba,pw}sh
- Basic Windows management - Intune, ADMX, GPOs, Azure, AD
- Advanced Apple management
- Chef, Ansible, Puppet
- Terraform, Helm, k8s, GH Actions
- Osquery, Datadog, Bugsnag, Filebeat, Splunk

Apple device management
- It's just another *nix!
- {Nano,Micro}mdm, WS1, Jamf, Kandji, SimpleMDM, & Mosyle
- Osquery, Autopkg, Munki, Nudge
- Crowdstrike, Carbon Black
- Deep familiarity w/ MDM protocol

SOFT SKILLS
- Written, verbal comms - technical docs, proposals, presentations
- Teamwork (rarely defensive, good PR reviews, inured to Jira's flaws)
- Adaptability (can learn ~anything)
- Intermediate Spanish

EDUCATION

Formal
- 3rd year credits towards Econ degree MSU, Bozeman & CU, Denver - *Incomplete*
- Stanford CS{10,22}9, Harvard CS50x courses via Youtube

Practical
- Apprenticeship, Gannon & Benjamin Marine Railway, Martha's Vineyard
- Crew, *Philkade* (40m sloop), trans-Pacific passage

Ecumenical
- Well traveled (lived in Australia, South/Central America, & Spain)
- Very well read