

**Sevag Hanssian** sevag.hanssian@gmail.com <https://github.com/sevagh> <https://sevagh.xyz>

**Skills:** Python, Go, Prometheus, Nagios, Rust, Linux, Docker, Nomad, Ansible, AWS, Terraform

**OSS contributions:** Terraform, Freeipmi, Prometheus, Salt, various smaller projects

**Education:** B. Eng., Electrical, minor software eng., McGill University (2014)

## Experience

**Senior site reliability engineer at Pandora Radio**, SF Bay Area, CA Dec 2017 – Present

- Implemented and improved monitoring and configuration for different server/hardware configurations
  - Implemented ZFS checks, metrics gathering, and alerting with Prometheus
  - Implemented checks and alerting for Virident PCI cards with Prometheus
  - Distributed Fusion IO kernel module configurations with Ansible
  - Implemented PSU health checks by inserting IPMI SEL events into syslog
  - Implemented a method to set expected link speed for Nagios NIC monitoring with Iddcli and Ansible
- Created a Go build cloud + artifact uploader in Nomad for internal Go projects and external mirrors
  - Developed best practises on using dep and managing Go import paths
  - Developed a CD pipeline to upload static Go binaries (and generic binaries) to Nexus with Gradle
- Contributed systemd summary feature upstream to Prometheus node\_exporter
- Created a CI pipeline for Prometheus v1 rules to validate and automatically generate v2 syntax rules
- Reviewed Prometheus recording + alerting rules pull requests and developed best practice docs for devs
- Wrote a Go slackbot for on-call assistance with PagerDuty integration and a PostgreSQL backend
- Maintained a Dockerized EJTServer running in Nomad to distribute JProfiler licenses to the eng team

**Site reliability engineer at AdGear (Samsung)**, Montréal, Canada Sep 2016 – Nov 2017

- Wrote [github.com/sevagh/pq](https://github.com/sevagh/pq), a command line protobuf-to-JSON parser written in Rust
- Wrote [github.com/sevagh/goat](https://github.com/sevagh/goat), an AWS tag-based EBS attach and RAID utility written in Go
- Adopted Terraform as our AWS provisioner; contributed the Salt provisioner upstream
- Implemented Artifactory as our artifact store for Maven packages, RPMs, static binaries, etc.
- Wrote Vertica tooling: performant AWS cluster (Packer/Terraform), data migration tool (Python/Bash)
- Wrote production Rust code, Rust Wireshark dissectors, and CI/CD pipelines for internal Rust projects
- Wrote Salt tooling: CI pipeline (Python/Docker/Travis-CI), custom modules: iptables, Artifactory

**Devops engineer at SAP Hybris**, Montréal, Canada Nov 2015 – Sep 2016

**Backend Python developer at Gameloft**, Montréal, Canada Aug 2015 – Nov 2015

**Embedded software developer at Savoir-faire Linux**, Montréal, Canada Apr 2014 – Jul 2015

**Intern (jr. computer engineer) at Savoir-faire Linux**, Montréal, Canada Apr 2013 – Apr 2014