

Sevag Hanssian sevag.hanssian@gmail.com

Skills: Go, Python, Bash, Linux, Prometheus, Docker, Ansible, Salt, AWS, Terraform

Experience

Senior site reliability engineer at Pandora Radio, Oakland, CA Dec 2017 – Present

Writing Go and Python tooling for baremetal and containerized Linux infrastructure.

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

- Wrote github.com/sevagh/pq, a command line protobuf-to-JSON parser written in Rust
- Adopted Terraform as our AWS provisioner
 - Built out initial Terraform and Packer scripts and influenced how we used AWS in production
 - Wrote github.com/sevagh/goat, an EC2 EBS disk attaching, mounting, and RAID utility
- Adopted Artifactory as the artifact store for all eng teams; wrote a Python script to migrate from Nexus
- Wrote HPE Vertica tooling: performant cluster in AWS, Python parallel data migration tool
- Wrote CI/CD pipelines for Rust to build static musl binaries, deployed with Salt and systemd
- Wrote a Python and Docker CI test and lint suite for our Salt recipes
- Wrote custom Salt modules for managing iptables and interacting with Artifactory

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

- Wrote a Python cli to perform host lookups and execute commands on them with Fabric and Ansible
- Wrote an Apache httpd redirect tester with Go, Docker, and Jenkins, preventing production errors
- Perform JVM performance analysis with standard JVM tools (JVisualVM, jmap, etc.) and DynaTrace

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

- Developed and maintained Python 2.7 CherryPy microservices
- Replaced in-house ZMQ-based message queue code with Kafka and the py-kafka library for Python
- Saved over 50% disk space on production Couchbase cluster by scanning for stale documents

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

- Developed a full IoT POC with MQTT and Apache ActiveMQ in AWS
- Redesigned a monolith Java webapp into AWS microservices with Hazelcast
 - Wrote Python scripts for load testing and request simulation to measure correctness
 - Wrote Python scripts for data simulation and aggregation to test and backfill dashboards
- Added a daemon to OpenWRT firmware for TP-Link routers to keep wireless interfaces constantly up
- Wrote a Java test framework for TS-4800 board testing with JSch

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

- Wrote C code for embedded systems to test board I/O (e.g. BlueZ ping, ALSA loopback/SNR test)
- Wrote an RS232 library in C based on XMODEM with CPython bindings
- Used Buildroot and Linaro to build Busybox Linux images for ARM boards (Pandaboard, Raspberry Pi)

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