

Jesse Hitch

DevOps engineer based in Seattle. Specialized in automation with Python in primarily in LAMP environments. Strong passion for the web with active interest in the InfoSec community. Heavy work within cloud environments both internal/external facing.

Skills and Specializations

- ⌘ Distros: RHEL/CentOS, Ubuntu
- ⌘ DBs: MySQL/MariaDB, SQLite, and minimal Cassandra/DynamoDB
- ⌘ Programming: Python, BASH, some JavaScript, some Ruby (mostly puppet)
- ⌘ Cloud: AWS (`boto3`, `awscli`), Vcenter (`pyvmomi`)
- ⌘ Security: experience with Snort, ArcSight, OpenVAS, ClamAV, and Nessus

Experience

Devops Engineer - Reach Now. (contract)

Seattle, WA (August 2018 - present)

- ⌘ Using python to help optimize development pipelines

Devops Engineer - Analog Devices Inc. (contract)

Remote (March 2018 - August 2018)

- ⌘ Full stack dev work for ADI project management webapp using Perl on the backend.
- ⌘ Configured and wrote integrations between Perforce and Atlassian in Perl/Python (P4DTG, Jira/Confluence/Swarm REST APIs). Also did PoC for Fisheye/Crucible.
- ⌘ Wrote python handling app to process files ClamAV deems suspicious.

Senior Software Engineer - MinOps Inc. (FTE to perm)

Remote (July 2017 - March 2018)

- ⌘ Primary engineer on product to index AWS infrastructure and make it queryable via SQL
 - Feature/bug work to the primary product, which required working with Lambda, EC2, SNS, Route53, CloudWatch, CloudFront, CloudFormation, S3, IAM
 - Responsible for website (wrote front/backend, development pipeline)

Software Engineer - Cloudian (FTE to contract)

San Mateo, CA (April 2016 - July 2017)

- ⌘ Maintain existing code, in both BASH and Python for the Hyperstore installer (AWS S3 object storage/searching, in your local datacenter with an S3 API for hybrid clouds)
 - Tasked with leading project to rewrite roughly 20,000 lines of BASH into Python, while also mentoring a junior SWE in Python
- ⌘ Provided Linux and web expertise, e.g. snapshots, DNS, SSL, and infosec matters

DevOps Engineer - Analog Devices Inc. (contract to FTE)

San Jose, CA (Nov 2013 - April 2016)

- ⌘ Wrote automation scripts/webapps to cut down on direct admin to user interactions. Largest project I designed and deployed was AutoVM, which allowed for creation/management of VMs via browser, RESTful API, or CLI. Capable of mass rebuilds.
- ⌘ Supported internal research and development Linux environments and infrastructure

InfoSec Analyst - Apple (contract)

Sunnyvale, CA (August 2013 - November 2013)

- ⌘ Created list of “bad actors” and tracked them across 17.0.0.0/8, especially during important product launches, and analyzed payloads of any packets deemed suspicious
- ⌘ Helped create use cases for alerting using various logging sources
 - netflow anomalies via Lancope StealthWatch and Arbor’s NSI/TMS
 - suspicious VPN behavior, firewall interactions, and their overall DNS traffic

Site Reliability Operations Analyst - Apigee (contract)

Palo Alto, CA (June 2013 - July 2013)

- ⌘ Identified issues that arose with scale in Apigee’s LAMP stacks on AWS
 - Managed and troubleshoot networking, DNS, apache configurations, load balancers, and memory leaks
- ⌘ Provided consultation on how to design tools to automate engineering hassles

Unix/Linux Support Engineer - Centrify Corp. (FTE)

Sunnyvale, CA (Oct 2012 - May 2013)

- ⌘ Troubleshoot Centrify products dealing with Kerberos across AD/LDAP and role based management, including ACLs in both directory services
- ⌘ Did deep dives into SSH, PAM/LAM stacks across multiple distros of Unix/Linux

Linux Sysadmin - Nexcess.net LLC (FTE)

Dearborn, MI (Jan 2012 - Oct 2012)

- ⌘ Linux admin work with a heavy focus on the web and customer facing systems