

# Jesse Hitch

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

## Skills and Specializations

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- ⌘ Linux Distribution: RHEL/CentOS, Ubuntu
- ⌘ Identity Management: LDAP
- ⌘ Databases: MySQL/MariaDB, SQLite, and minimal Cassandra/DynamoDB
- ⌘ Languages: Python, BASH, some JavaScript, some Ruby (mostly puppet)
- ⌘ Security: experience with Snort, ArcSight, OpenVAS, ClamAV, and Nessus
- ⌘ "Cloud" tech: AWS (`boto3`, `awscli`), Vcenter (`pyvmomi`)

## Experience

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### Senior Software Engineer - Stealth Mode Startup

*Seattle, WA* (July 2017 - Present)

- ⌘ Stealth mode startup - Primary engineer - AWS based
  - Heavy work with Lambda, EC2, SNS, Route53, CloudWatch, CloudFront, CloudFormation, S3, IAM
  - Responsible for public facing website
  - Feature and bug work to the primary product.

### Software Engineer - Cloudian

*San Mateo, CA* (April 2016 - July 2017)

- ⌘ Maintain tens of thousands lines of existing code, in both BASH and Python for the Cloudian Hyperstore installer (Amazon S3 object storage, and searching, in your local datacenter with an S3 compatible API for hybrid cloud computing)
  - Tasked with rewriting roughly 7,000 lines of BASH into Python, while also mentoring an employee in Python best practices, to assist with rewriting another 7,000 lines of BASH to Python.

- ⌘ Provide general Linux (mainly Red Hat) and web troubleshooting expertise, especially with regards to backups, DNS, SSL, and infosec related matters

### DevOps Engineer - Analog Devices Inc.

*San Jose, CA (Nov 2013 - April 2016)*

- ⌘ Wrote GUI/CLI products for automation of repetitive tasks:
  - *AutoVM* - allowed for creation/management of VMs via a webapp, RESTful API, or CLI. Capable of mass rebuilds
  - *QuotaMonster* - disk quota management webapp and CLI with time allotments
  - *EKG* - webapp to pull data from Nagios, and abstract it into interactive charts
- ⌘ Supported internal research and development Linux environments and infrastructure

### InfoSec Analyst - Apple via contract with SIS

*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
- ⌘ 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
- ⌘ Analyzed packet payloads of anything deemed suspicious

### Operations Analyst - Apigee via contract with Intelliswift

*Palo Alto, CA (June 2013 - July 2013)*

- ⌘ Identified issues that arose with scale in Apigee’s LAMP stacks on AWS
  - Troubleshoot networking, DNS, apache configurations, load balancers, and memory leaks
- ⌘ Gave suggestions how to design automation tools to resolve issues long term

### Unix/Linux Support Engineer - Centrify Corp.

*Sunnyvale, CA (Oct 2012 - May 2013)*

- ⌘ Troubleshoot Centrify products dealing with:
  - SSO - Kerberos across AD/LDAP
  - Role based management and ACLs in LDAP/AD
- ⌘ Did deep dives into Kerberos, SSH, LDAP, and the PAM stack
- ⌘ Replicated client environments to reproduce issues

## Linux Sysadmin - Nexcess.net LLC

*Dearborn, MI (Jan 2012 - Oct 2012)*

- ⌘ Troubleshoot/configured web apps (CMSes/custom) on LAMP stacks
- ⌘ Migrated data from different web hosts and resolved any access issues that resulted
- ⌘ Did regular setup and troubleshooting of DNS and firewall rules
- ⌘ Security: virus detection/removal, setting up SSL on websites, DDoS mitigation