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I am an Internet handyman with over 14 years of experience working in startups. If I can be a useful mentor to my colleagues and we can build out reliable infrastructure through code commit and automation, there is a good chance I am a happy person :)

OS: Linux, OSX, FreeBSD, ESXi**IaaS:** AWS, GCE, Azure (proficient), Alibaba (stay away)**Platforms:** Docker, Kubernetes, Virtualbox, VMWare**Languages:** Python, Shell scripting, with some Go, C, C++ etc.**Networking:** HTTP, SMTP, DNS, DHCP, GPXE, TCP/IP, UDP**Tools:** Git, Gerrit, Github Enterprise, Gitlab Enterprise, Jenkins, GNUmake, BSDMake, Ansible, Terraform, Packer, Sumologic, Wavefront, Grafana, Prometheus, Datadog, Vault (Transit, Secrets, PKI)**Learning:** Go**[06/2018 - Current] :: Staff DevOps Engineer :: [VMware](#)***Current Employment**Tools: aws, gce, azure, alibaba, docker, kubernetes (eks), terraform, jenkins, git, packer, python, vault*

- Migrated all internal build systems from traditional static node build systems to docker based build environments
- Deployed and managed build and test infrastructure for multiple cloud providers using Terraform
- Built out scalable and resource defined build systems using Gitlab runners and AWS EKS
- Wrote various tools for improving developer workflow including git auto-merge functionality, jira automation to track code commit activity and slack integrations for CI/CD notifications
- Reduced AWS costs by 70% by implementing strict tagging policies and enforcing resource quotas using AWS lambda functionality
- Secured IAM user management by migrating to Workspace One IdP (e.g SAML) and enforcing all IAM access through STS (e.g. instance profiles and assume roles)
- Deployed Vault services (e.g. Transit, Secrets and PKI engines) to implement Secure Release Pipelines (SRP) for things like artifact signing and secure boot infrastructure

[07/2014 - 05/2018] :: Release and Tools Engineer :: [Bracket Computing](#)*Acquired by VMware Inc. in 4/2018**Tools: aws, gce, docker, kubernetes, minikube, jenkins, git, gerrit, packer, freebsd, alpine linux, go*

- Migrated local development and hosted build infrastructure to use a Docker based build pipeline
- Developed and rolled out the continuous delivery pipeline for hosted infrastructure running in AWS on Kubernetes
- Implemented a Git precommit workflow with Gerrit and Jenkins for all internal repos to ensure code review, code compliance and testing
- Deployed build and stage architecture in both GCE and AWS for our hosted product and build/test environments

[02/2012 - 07/2014] :: Principal Release Engineer :: [Silvertail Systems Inc.](#)*Acquired by EMC Inc. in 10/2012**Tools: unittest2, jenkins, buildbot, git, github enterprise, rpmbuild, make, gppe, vsphere, redis, c++, gcc*

- Owned the build, test and rpm-based release pipeline for product written in C++ and Python
- Automated developer workflow using GitHub API (auto merge, backport fixes, code linting)

- Developed and deployed consistent build, dev and test environments on ESXi infrastructure
- Built CentOS rpm packages and internal install infrastructure for third-party dependencies
- Trained the organization on git process and best practices

[07/2010 - 02/2012] :: **Senior Performance Test Engineer** :: [Limelight Networks Inc.](#)

Tools: nosetests, tornado, webpolygraph, squid, varnish, apache traffic server, nginx, mongodb, java

- Automated performance testing against forward proxy infrastructure
- Created Limelight Test Framework (LTF) used by QA automation for end-to-end testing
- Built out and managed 30+ node QA lab with one-click unattended install of production\test Ubuntu, CentOS and FreeBSD platforms

[05/2004 - 07/2010] :: **Network Engineer** :: [Ironport Systems Inc.](#)

Acquired by Cisco Systems Inc. in 2/2007 and promoted from Performance Test Engineer

Tools: nosetests, cisco catalyst 4948, web polygraph, django, mysqld, postgres, ldap, cvs

- Owned performance testing for MTA written in stackless Python
- Designed and built performance lab test environment
- Hunted down root cause failures for major production systems

[06/1998 - 04/2004] :: **Senior Test Engineer** :: Product Quality Partners Inc.

Promoted from Test Engineer in 11/2000

Tools: CAIT, CDMA, Jmeter, qmail, djbdns, freeswan, and many more ...

- Lead test engineer on many high profile client\server projects.
- System and Network Administrator for both lab and corporate infrastructure

[06/1994 - 05/1998] :: **Instructional Support Assistant** :: [Cal State Hayward](#)

Tools: Iron Skin

- Coordinated live productions and conferences held at the University Theater

edu

CSU, Hayward (1990 - 1994) :: B.S. Industrial Psychology

random

Fluent in German and Spanish. Conversant in Swiss German

Builder, Homebrewer, Bike Commuter, Climber and Dad