summary

Herbert Pfennig   **E:** dasein555@gmail.com **L:** Redwood City, CA

I am an Internet handyman with over 14 years of experience working in startups. I enjoy solving problems and building infrastructure to get stuff done through automation. Over the years I have built up experience in Test Automation, Systems and Network Administration, Internal Tools Development and Release Engineering.

skillset

OS: Linux, OSX, FreeBSD
Platforms: Docker, AWS, GCE, Kubernetes, Virtualbox, VMWare
Languages: Python, Shell scripting, with some Go, C, C++ etc.
Internet: HTTP, SMTP, DNS, DHCP, GPXE, TCP/IP, UDP
Tools: Git, Gerrit, Github Enterprise, Jenkins, GNUmake, BSDMake, Ansible, Terraform, Packer, Sumologic, Datadog, Quay, Minikube
Learning: Concourse CI, Go

employment

[06/2018 - Current] :: **Staff DevOps Engineer** :: VMware
Current Employment
Tools: TBD

- TBD

[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, gpxe, 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 orginization with 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

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edu

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

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random

Fluent in German and Spanish. Conversant in Swiss German

Builder, Homebrewer, Bike Commuter, Climber and Dad