

Herbert PfennigE: 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.

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**[07/2014 - Current] :: Software Deployment & Automation 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 2/2012**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 with git process and best practices

[07/2010 - 02/2012] :: Senior Performance 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