

Sandy Wambold

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- Over 15 years of experience in release engineering on UNIX, Linux and Windows
- Proficient at planning and working according to production schedules
- Over ten years experience in systems administration; website administration
- Perl, shell script languages, and CGI programming. Some use of C, C++, and Java
- Subversion, CVS and Perforce source control system administrator

B.A. Linguistics, The Ohio State University, Columbus, Ohio March 2003

A.A. Japanese, Foothill College, Los Altos Hills, California July 2005

Juniper Networks, Sunnyvale, CA 2009 - present

Technical Lead, Software Engineer Staff 2013 - present

Release Engineering Manager 2010 - 2013

Tools and Release Engineer, contractor 2009 - 2010

- Technical lead of team responsible for all JUNOS releases and some development builds (~1500 builds a year), homegrown build system and production build machines. Continuing development of web interface, support for new builds and interaction with bug tracking and other systems using Perl, including DBI, SQL, Mason, and others. Owner of relevant TL9000 maps and ~600TB of storage.
- Consulting and support for new projects such as Secure BIOS, Linux based products and new build infrastructure.
- Support for ~300 FreeBSD and Linux development build machines, coordination with IT.
- Support of ~20 SCM systems: main WANdisco Subversion cluster, other Subversion, CVS and Perforce repositories. Work with Legal on source control and other IP issues. Support of Palamida workflow and scanning servers.
- Managed release engineers, integration engineers and other tools engineers.
- Estimation, budgeting and purchase of new hardware.

Release Engineer, Google, Mountain View, CA 2005 – 2008

- Built and released software for deployment to QA, staging and production environments, worked with engineers, project managers and QA. Extensive use of Perforce, release branches and build systems. Built and pushed automation using shell scripts and some Python.
- Release engineer for billing systems and internal HR applications consisting of web applications that used MySQL databases running on a small number of restricted machines.
- Perforce class instructor, teaching new employees both Perforce and Google code practices.
- Primary release engineer for Content Ads binaries (text and image ads on non-Google sites), releasing to many production machines. Some monitoring of production systems, diagnosis of software and machine problems.

Senior Release Engineer, Fabric7 Systems, Mountain View, CA 2004 – 2005

- Sole release engineer responsible for Linux (kernel, platform and higher level programs) and Windows / Cygwin (BIOS and board management software) build infrastructure -- shell scripts, Perl, Makefiles, ANT, RPMs, and BAT files. Automated nightly and continuous builds.
- Perforce, Bugzilla and CVS server administration, modifications for code review and check-in restrictions. Consulting support to IT manager, worked on company website

Build and Deployment Engineer, Nuasis, San Jose, CA 2003 – 2004 (contract)

- Daily builds of Java, C++ and Perl software, using makefiles and Ant on both Linux and Windows 2000/XP (with Cygwin). Build triage. Deployed builds to test machine clusters.
- Clearcase and Clearquest use. CVS server administration.
- Automation of builds and deployments with Perl and shell scripts.

Senior Release Engineer, Simplex Solutions, Sunnyvale, CA 2001 - 2002

- Automation of the build and release process using a combination of Perl scripts, PHP scripts, CGI web pages and a MySQL database.
- Supported developers by working on the make system and administering CVS. Supported development platforms were Solaris, HPUNIX, Windows NT (with Cygwin), and Linux.

Release Engineer and Release Engineering Manager, 1997 - 2001
Red Hat (formerly Cygnus Solutions) Sunnyvale, CA and Tsukuba, Japan

- Manager of Red Hat's Release Engineering group of six release engineers, half of whom worked remotely. Responsible for release engineering schedules, coordinating with project managers and other engineering groups. Involved from contract review to final delivery.
- Built releases of GNU development tools such GCC, GDB, and G++; debugged build and install problems while working closely with engineers.
- Delivered binaries from single sources tools on multiple platforms such as Solaris, Linux, Windows NT, HPUNIX, IRIX, and AIX while testing on native platforms, simulators, and embedded systems boards using internal and the Plumhall and Perennial testsuites.
- Used make, C, C++, Perl, Tcl, dejagnu, shell languages and CVS source control system.
- Wrote group documentation. Automated processes and procedures.

Technical Lead and System Administrator, Sterling Software, NASA Ames 1996 – 1997

- Technical lead of the central UNIX group, supporting systems running Solaris, SunOS and IRIX. Coordinated efforts with other teams of both NASA personnel and other contractors.
- Supported 20 virtual web sites; postmaster for 5000 users (sendmail, SMTP, POP, and IMAP).
- Primary backup administrator for fifty servers. Supported FTP, CAP and other central services.

System Administrator, Open Software Foundation, Cambridge, MA 1996

- Administered UNIX machines, Macintoshes and PCs running various operating systems.
- Primary mail and news administrator; responsible for over 500 mailing lists and coordination with UK sister company. Supported DNS and Usenet news.

System Administrator, Addison Wesley Publishing, Reading, MA 1995 – 1996

- SunOS, Solaris and Linux; Webmaster of AW website and Perl CGI development.

System Administrator and Help Desk Supervisor, The Ohio State University 1986 - 1995

- Helpdesk supervisor for 12,000 user site. Supported websites, email, gopher and ftp.
- Served at both large sites and department lab sites, using a variety of equipment and operating systems: Ultrix, SunOS, HPUNIX, PCs, Macs and TOPS-20.