Sandra Wambold

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- Twenty years experience in release engineering on UNIX, Linux and Windows
- Many years experience in systems administration; website administration
- Perl, shell script languages, and CGI programming. Some use of C, C++, and Java
- SVN, CVS and Perforce source control system administrator

Software Engineer Staff, Juniper Networks, Sunnyvale, CA   2013 – present

- Senior member of team responsible for releasing Juniper's major products of the Junos and Junos OS Evolved operating systems and subsidiary products.
- Develop and support our current build system in Jenkins and our legacy homegrown system. Builds are hosted on various Linux and FreeBSD machines, using make variants, gcc, and llvm and similar tools. Scripts are written in Perl and bash. Both build systems integrate with other data systems, such as GNATS (bug tracking) and JIRA (for our ticket system), using various APIs and SQL.
- Consulting and support for new projects such as Secure BIOS, U-Boot, Linux based products and new build infrastructure. TL-9000 representation for team.
- Member of company-wide Open Source Council, a twenty person engineering team that advises Legal on open source use and issues.
- Support Legal department in discovery requests for sources and system administration for Code Insight (Palamida) servers.
- Support BIOS builds using Microsoft Studio on VMware-hosted VMs.
- Previous duties have included support for developer build machines and many Subversion, CVS and Perforce SCM servers.

Release Engineering Manager, Juniper Networks, Sunnyvale, CA   2010 – 2013

- Managed release engineers and integration engineers, while also doing technical tasks.
- Estimation, budgeting and purchase of new hardware.

Tools and Release Engineer, Juniper Networks, Sunnyvale, CA   2009 – 2010

- Continuing development of build automation system, including web interface, enhanced notifications, error checking and interaction with build database.
- Responsible for daily and release builds, including build failure triage. Regular contact with System Test group, integration engineers and developers.
- Integrated build database and another team's branch tracking system.
- Working on Subversion/GNATS integration project to migrate historical data.
- Tools: object-oriented Perl, Perl DBI database interface, SQL, Mason, Catalyst, and Apache.

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

- Built and released software for deployment to QA, staging and production environments, working with engineers, project managers and QA. Extensive use of Perforce, release branches and build systems. Build and push 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. Linked Perforce and Bugzilla using P4DTI; modified both to support code review and check-in restrictions.
* Backup to IT manager; installed and maintained build machines; worked on company website.

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

* 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

* Primary duties were automating 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, HPUX, 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++
* Delivered binaries from single sources tools on multiple platforms such as Solaris, Linux, Windows NT, HPUX, 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

System Administrator, Open Software Foundation, Cambridge, MA   1996

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

System Administrator and Help Desk Supervisor (student, then staff)   1986 – 1995
The Ohio State University**,** Columbus, OH

B.A. Linguistics, The Ohio State University, Columbus, Ohio   2003
A.A. Japanese, Foothill College, Los Altos Hills, California   2005