Paul Johnson

Systems Engineer

Interests include storage systems, virtualized computing, performance analysis, systems integration, automation design, and the occasional mountain climb.

XXXXX XXXXXX Dr.
Broomfield, CO 80020
+1.720.XXX.XXXX
paulie@pauliesworld.org
www.pauliesworld.org

Education

2004 → 2008 **University of Colorado**
Boulder, CO
B.S. Computer Science

- Senior Project: Perl-based Scheduling System for CWA
  - 2008 ITL Design Expo Best in Section Award
- Bioinformatics Project: Discovery of HuR binding sites using machine learning
  - 2008 Larry Fosdick Award Nomination

Experience

Sept
2014 → 2017 **Oracle Corporation**
Broomfield, CO
Principal Software Engineer

- Integral member of a team of system engineers tasked to map out bleeding edge and large-scale use cases advanced by customers of the Oracle ZFS Storage Appliance
- Led sales proof-of-concepts across the United States in addition to Sweden, Mexico, and New Zealand, bringing in over $8 million in revenue
- Authored 3 whitepapers, support documentation, and created a web blog to assist the sales and service teams
- Architected test plans and led software releases for the quality assurance organization, covering features such as replication, deduplication, and ZFS Analytics
- Built a deployment API for Oracle VM to serve hundreds of virtual machines for QA
- Presented at Oracle OpenWorld from 2012 → 2016 on topics including ZFS Analytics, ZFS RESTful API, Oracle Database 12c (dNFS / HCC / RMAN), and MySQL

Feb   Sept
2010 → 2014 **Oracle Corporation**
Broomfield, CO
Senior Software Engineer

- Primary test lead for the integration of the Oracle ZFS Storage Appliance with the Oracle Exalogic Elastic Cloud and Oracle SuperCluster
- Engaged in storage ecosystem testing encompassing Oracle Database 11g/12c, Oracle VM, and the Oracle Virtual Compute Appliance
- Qualified the Xsigo I/O Fabric Director with the Oracle ZFS Storage Appliance
- Led training sessions for customers, sales consultants, quality assurance engineers, and partners in Florida, California, New York, Hungary, India, Japan, and Israel

May Feb	**Sun Microsystems, Inc.**
2008 → 2010	Broomfield, CO
	Software Engineer

- Managed over 100 independent hardware vendors (IHV) by providing development support for device drivers on Solaris 10 and OpenSolaris
- Conducted interoperability testing of IHV products resulting in over 60 completed projects
- Re-evaluated hardware testing strategies by rewriting 7 test plans covering USB, KVM, storage, printing, audio, graphics, and network connectivity
- Administered a cluster of 18 SPARC and x64-based Sun servers used in the testing and certification of third party hardware products

May May	**UNAVCO, Inc.**
2007 → 2008	Boulder, CO
	Systems Administrator

- Maintained an environment of Solaris servers involving hardware upgrades, patching, and installs
- Constructed a Perl-based framework to automate satellite communication and gather weather telemetry data in Greenland and Antarctica
- Built a custom Windows MSI package manager alongside Ghost imaging to automate new workstation installations
- Deployed an OpenLDAP directory system to manage employee authentication

May May	**University of Colorado**
2006 → 2007	Boulder, CO
	Support Analyst

- Provided technical assistance to faculty, staff, and students via e-mail and phone
- Supported an e-mail migration involving communication with over 500 customers
- Handled in excess of 3000 support cases during employment

Certifications

Oracle Certified Professional - Oracle Solaris 10 System Administrator

Oracle Certified Expert - Oracle Solaris 10 Network Administrator

Oracle Certified Expert - Oracle Solaris 10 Security Administrator

Expertise

Systems	FreeBSD, Linux, Mac OS X, Solaris, Windows
Languages	Bash, C, C++, Perl, Python, SQL
Protocols	TCP/IP, NFS, iSCSI, Fibre Channel, InfiniBand
Tools	BIND, DTrace, OpenLDAP, Oracle Database, Mercurial, MySQL, Subversion, vi
Examples	Examples of my programming work can be found here:
	http://www.pauliesworld.org/?page=projects