

Paul Johnson

Systems Engineer

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

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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

Apr
2017 → **Amazon Web Services**
Broomfield, CO
Systems Engineer

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

- Primary test lead for the initial 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 Private 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 2008 → Feb 2010 **Sun Microsystems, Inc.**
Broomfield, CO
Software Engineer

- Provided development support for device drivers on Solaris 10 and OpenSolaris for more than 100 different independent hardware vendors (IHV)
- Conducted interoperability testing of IHV products, completing over 60 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 x86-based Sun servers used in the testing and certification of third party hardware products

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

- Maintained an environment of Solaris servers involving installs, upgrades, and patching
- 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 2006 → May 2007 **University of Colorado**
Boulder, CO
Technical Support Analyst

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, macOS, Solaris, Windows
Languages Bash, C, C++, Perl, Python, SQL
Protocols TCP/IP, NFS, iSCSI, Fibre Channel, InfiniBand
Tools BIND, DTrace, Git, OpenLDAP, Oracle Database, Mercurial, MySQL, vi