Paul Johnson

Software Engineer

Interests include storage systems, serverless frameworks, performance analysis, scale-out design, and the occasional mountain climb.
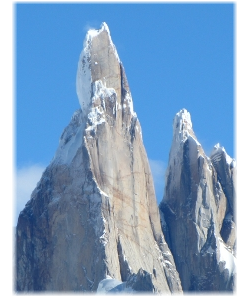
XXX XXXXXX Dr.
Broomfield, CO 80020
☎ +1.XXX.XXX.XXXX
🖮 www.pauliesworld.org
✉ paulie@pauliesworld.org
🌐 github.com/pauliesworld
in linkedin.com/in/pjcolorado

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**
Denver, CO
Systems Development Engineer

-
-
-
-
-

Sept 2014 → Mar 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
- Architected test plans and led multiple software releases for the quality assurance organization, covering features such as replication, deduplication, and analytics
- Built a deployment API for Oracle VM to serve thousands of virtual machines for QA
- Authored 3 whitepapers, support documentation, and created a blog to assist customers and the sales & service teams
- 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	**Oracle Corporation**
2010 → 2014		Broomfield, CO
		Senior Software Engineer

- Primary quality lead for the initial systems integration of the Oracle ZFS Storage Appliance with the Oracle Exalogic Elastic Cloud and Oracle SuperCluster
- Conducted storage ecosystem testing encompassing Oracle Database 11g/12c, Oracle VM, and the Oracle Private Compute 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

- Provided development support for device drivers on Solaris 10 and OpenSolaris for more than 100 different independent hardware vendors (IHV)
- 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	May	**UNAVCO, Inc.**
2007 → 2008		Boulder, CO
		Systems Administrator

- 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 information and authentication

May	May	**University of Colorado**
2006 → 2007		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	AWS, FreeBSD, Linux, macOS, Solaris, Windows
Languages	Bash, C, C++, Perl, Python, SQL
Protocols	TCP/IP, NFS, iSCSI, Fibre Channel, InfiniBand
Tools	BIND, DTrace, Git, Lambda, OpenLDAP, Oracle Database, MySQL, SNS, SQS, SWF