

Jan Stevenson
Linux/Unix Platform QA Software Engineer

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Career Summary

Experienced software QA Engineer working primarily with enterprise class data storage products. Strong background in Linux and QA methodologies, as well as hardware platform bring-up, focusing on quality improvement of shipping product and time to market needs.

Technical Skills – Operating Systems, Platforms and Storage

Storage, Linux, NAS, SAS, Intel hardware, IPMI, BMC, DMI, SAN, SCSI, VMware ESXi, Pure Storage Purity OS, Riverbed RiOS, DataDomain OS, NetApp Data OnTap, FreeBSD, Unix Operating Systems and driver development, HP-UX kernel and application code development, Linux driver development environment, Unix/Linux systems administration, hands-on experience with re-configuring hardware, maintenance of lab test systems

Technical Skills – Software Areas

Bash shell scripting, Python, Perl, Ruby, TCL/Expect, ZFS, RAID, MD RAID, NFS, NFSv4.1, SVR4 Streams, TCP/IP, website administration

SQA Skills and Experience

Analysis and debug of software functionality bugs, working closely with Development counterpart(s); Create test plans from functional specifications; Define and create test case scenarios; Specification of testing configurations and test frameworks; Contributions to automation code; Submittal, tracking, and reporting of bugs found and also input/feedback on functional enhancements (RFEs)

Tools and Applications Experience

TestRail, Git, Jira, Subversion, Mercurial, Perforce, RCS, Redmine, Bugzilla, Windows, MacOS, basic Windows-based administration of DNS & DHCP, TWiki, Confluence, vSphere, administration of Google Apps for Work

Education and Training

UCSC Extension Classes, Santa Clara, CA,: coursework in Linux Device Drivers; IO Concepts and Protocols: PCI Express, Ethernet and Fibre Channel; Embedded Systems Hardware Architecture Introduction; Storage Networking Design and Architecture; Ruby Introduction; BIOS and EFI; Python Programming; Data Analytics

Eastern Michigan University, Ypsilanti, Michigan: B.B.A., Operations Research and Information Systems

Work History

iXSystems – QA Engineer, Engineering; San Jose; 04/16 – 01/17

QA Team:

- ✓ test planning
- ✓ system level testing of TrueNAS and FreeNAS product
- ✓ functional testing of HA, Storage, and ZFS
- ✓ hardware setup of test equipment including Storage Heads and Expansion Shelves using SAS as well as Fibre Channel or iSCSI on the front side
- ✓ establish customer-based scenarios and repro cases

Pure Storage – QA Engineer, Engineering; Mountain View, CA; 11/14 – 06/15

Hardware System Test (HST) Team:

- ✓ new platform bring-up of Pure Storage Platinum FlashArray//m
- ✓ system level testing of Pure's All Flash Array
- ✓ debug of SAS protocol errors during cabling configuration testing and stress testing
- ✓ hardware setup of test equipment including Storage Heads and Expansion Shelves using SAS as well as Fibre Channel or iSCSI on the front side

Riverbed Technology -- QA Engineer, Engineering; Sunnyvale, CA; 04/12 - 11/14

Granite Platform Team:

- ✓ functional test of platform software used by several Riverbed appliances
- ✓ HDD and SSD quals
- ✓ Granite platform configuration qualification on ESXi

Whitewater QA Team:

- ✓ new platform bring-up of Riverbed Swordfish appliance
- ✓ functional testing of Riverbed backup appliances
- ✓ establish customer-based scenarios with emphasis on repro

BlueArc/Hitachi Data Systems -- QA Engineer, QA Team; San Jose, CA; 06/10 - 04/12

Filesystem QA Team:

- ✓ regression functional testing of BlueArc HNAS product
- ✓ feature functional testing for early NFS v4.1 client
- ✓ Feature NFSv4.1 server functional testing and its integration with BlueArc OS
- ✓ ESXi server integration for NFS test clients
- ✓ part of pNFS (NFSv4.1) feature team

Data Domain/EMC -- SQA Test Engineer, QA Team; Santa Clara, CA; 01/07 - 05/10

Platform QA Team:

- ✓ platform functional level and stress level testing of Data Domain's DDR backup storage appliance
- ✓ hotplug shelf and disk testing, plus DD_RAID testing
- ✓ facilitate, participate and represent SQA group within the cross-functional team for hardware sustaining qualification of components, working with Manufacturing Operations, Hardware Engineering, and Global Logistics
- ✓ close working relationship with Platform software and hardware development teams

Network Appliance / NetApp -- QA Test Engineer, Storage Platform Engineering Group; Sunnyvale, CA; 12/99 - 12/06

High Availability Clustering Team:

- ✓ functional level and stress level testing of NetApp's Filer High Availability Clustering subsystem (CFO)
- ✓ White-Box and Black-Box testing approaches
- ✓ define and create test case scenarios for both Filer side and client side of NetApp NAS products
- ✓ close working relationship with Cluster development team
- ✓ mentoring and training to other QA engineers by creating and delivering documentation, classroom and lab training
- ✓ new platform qualification and HA Interconnect I/O qualification

Silicon Graphics / SGI -- QE Lead Engineer, Software Technologies Group; Mountain View; 3/98 - 12/99

MediaBase QE testing team:

- ✓ test, coordinate testing activity, and testing specification for SGI's MediaBase video streaming product

Hewlett-Packard -- Software Development Engineer, Open Systems and Software Division, Cupertino, CA; 3/97 - 3/98

HP-UX Kernel Reliability Testing Team:

- ✓ execution, analysis, debug, and maintenance of KRT test code

Hewlett-Packard -- Senior Support Engineer, Software Services and Technologies Division, Cupertino, CA; 5/95 - 3/97

Division Support - HP-UX Networking:

- ✓ on-line and consulting support for customers and partners for HP Streams, DLPI, XTI, TCP/IP, HP LAN drivers

Hewlett-Packard -- Software Development Engineer, Information Networks Division, Cupertino, CA, 6/89 -- 5/95 HP 9000

Streams project team:

- ✓ framework and termio code development, OSF SVR4 port, plus technical support for partners and customers

HP 9000 MAP 3.0 project:

- ✓ OSI Express 3.0 Link code development, debug and test

Hewlett-Packard -- Software Development Engineer, HP Labs, Palo Alto, CA, 7/88 - 6/89

Hewlett-Packard -- Software Development Engineer, Customer Support Division, Cupertino & Mountain View, CA, 8/84 - 7/88

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<http://jan-stevenson.net/resume/Jan-Stevenson-resume.pdf>