

Shawn Heisey

South Jordan, UT – 84009 – 801.554.2303 – shawn@shawnheisey.com – [linkedin.com/in/shawnheisey/](https://www.linkedin.com/in/shawnheisey/)

Senior Systems Administrator

Network Administration – IT Security Management – Software Engineering

Server Administration

Firewall Security

Software Programming

Systems Migration

Storage Management

Infrastructure Design & Implementation

Knowledgeable network, security, and server administrator with more than 20 years of IT industry success.

Proficiency in Linux/UNIX and Cisco network operations.

Highly effective troubleshooter, providing innovative solutions to complex technical issues.

Adept in design and implementation of IP networks.

Experienced host of Internet domains on Linux servers.

CAREER ACCOMPLISHMENTS

- Committer and Project Management Committee member for Apache Lucene/Solr development project.
 - Built homegrown Linux load balancers for web servers.
 - Customized Perl and Java based index building system.
 - Designed and implemented new WPA2 encrypted wireless network.
 - Managed network operations of three live two-way VSAT satellite transitions with near-zero downtime.
 - Provided design, implementation, and troubleshooting support for major infrastructure projects.
 - Generated significant savings through replacement of commercial software with open source.
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PROFESSIONAL EXPERIENCE

CONTRACT WORK FOR A VARIETY OF COMPANIES

2019-2020

- Managing hosting servers running Linux and Windows
- Watching for monitoring alarms and fixing problems.
- Setting up LAN and WAN networks
- Setting up and managing Active Directory

MAINSTREAM DATA/NEWSCOM — SALT LAKE CITY, UT

2004-2018

Senior Systems Analyst

Senior administrator entrusted with key technical decisions, while overseeing the design, implementation, and maintenance of all network infrastructure. Also managed company's Internet presence, presiding over domain registrations, internal and external DNS, SMTP, SPAM filtering, and web servers.

- **Network Administration:** Administered Cisco-based network, including full BGP routing with two gigabit Internet providers. Ensured integrity of Microsoft domain, including controllers, application servers, file servers, VPN (RAS) server, and Exchange.
- **Systems Migration:** Presided over successful migration of full system with zero downtime. Conducted integration and migration of more than one petabyte of storage to an Isilon cluster. Led company's migration from Oracle 9i to MySQL 5.1.
- **Systems Engineering:** Redesigned and redeployed network infrastructure, including critical sections using layer 3 gigabit switches. Conducted upgrade of VSAT policy-based routing system to L3 switches. Custom-built wireless networks with Cisco hardware and WPA2 encryption. Built homegrown Linux load balancers for multiple web servers. Designed and implemented replacements for NetApp NAS and Apple SAN. Built many systems using several flavors of Linux, including Redhat/CentOS and Debian/Ubuntu.

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- **Software Engineering:** Designed Perl and Java based custom index system. Developed targeted scripts and software programs for enhancing system and network management. Have written other software for production use.
- **Network Security:** Navigated Cisco firewall environment enveloping numerous DMZ networks and VPN tunnels.

CONVERGY'S CORPORATION —MURRAY, UT

1999-2004

Technical Support Lead

Provided in-depth client technical support in respect to hardware, software, and configuration issues across a wide range of Cisco hardware.

- **Customer Support:** Minimized escalations through adept troubleshooting of difficult cases. Managed all case escalation approvals for upstream transfer to Cisco support teams.
- **Internal Support:** Provided technical support training to a team of engineers. Developed Perl scripts for providing support team members with enhanced new case queries and alerts.

WESTERN ONLINE SERVICES, INC. —SALT LAKE CITY, UT

1998-2003

Senior System Administrator

Responsible for all ISP and co-location technical operations.

TECHNICAL PROFICIENCIES

Protocols: LAN, WAN, TCP/IP, PBX/VoIP, VPN, Fibre Channel SAN, RADIUS, TACACS+.

OS/Software: All versions of Windows operating systems, Debian, Ubuntu, CentOS, Solaris, Apache Solr, Apache Webserver, Isilon, Gluster, Microsoft Exchange, SQL. Have handled production virtual machines in VMWare and Xen, as well as AWS. Have some limited experience with other virtualization platforms.

Hardware: Cisco routers (800 to 7200), Cisco switches (1900 to 6500), Cisco ASA/PIX firewalls, MySQL, Microsoft Active Directory, IIS, Cisco firewalls.

Programming: Java, Perl, Shell script, C, C++, PHP

EDUCATION AND CERTIFICATIONS

UNIVERSITY OF UTAH

Computer Science

Certifications

CompTIA Linux+ certification – 2020

AWS Certified Cloud Practitioner - 2020

Cisco Certified Internetwork Expert (CCIE) Security Written Exam – 2004

Cisco Certified Network Professional (CCNP) - 2001

Cisco Certified Network Associate (CCNA) - 2000

LINK TO REFERENCES

<https://www.shawnheisey.com/references.pdf>

Within the world of IT, I am a rock star. Just about anything that needs doing, I have either already done it, or I can learn how to do it very quickly. Please check with my references if you need any confirmation of that bold statement.