

MATTHEW P BARNSON

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SUMMARY

Career system & storage administrator in diverse industries. Supported systems from tens of thousands of customers to a few dozen employees. Recognized for deep system knowledge and troubleshooting ability. With the right book, I'll learn anything!

SKILLS

Operating Systems:	GNU/Linux (RedHat, SuSE, Ubuntu, Debian), HPUX, Solaris, AIX, MS Windows, NetWare 2.x-6.x
Network Hardware:	Cisco PIX, load-balancing hardware, routers, switches, various firewalls
Computing Hardware:	SAN storage and fabrics, Alpha, Sun (various models), x86 PC, HP Itanium and L/Z-class, IBM AIX M/B/P-series and x86 Blades, NetApp
Network Services:	DNS, DHCP, SMP (Postfix, Exim, Sendmail), CVS, RCS, VNC, CMS, Apache, clustering, OpenLDAP, IMAP (Cyrus, Dovecot, Groupwise), Tomcat, NIM, Kickstart/Jumpstart, license servers, Oracle Application Server, Symantec OpForce and NetBackup, Veritas Volume Manager
Languages:	Perl, Bash, SGML, XML, HTML, OpScript, AKWF
Storage:	Sun 7000-series (StorageTek), Network Appliance

EXPERIENCE

Sr. UNIX & Storage Administrator

Oracle Americas

Salt Lake City, UT

2008-Present

- Installed & maintained operating systems & hardware in several-thousand-node IT Grid. Technologies included: Kickstart, PXE, various Dell & Sun hardware, Oracle Enterprise Linux 4/5, Oracle Virtual Server 2.X, Xen, paravirtualization, NFSv3/v4, Oracle Enterprise Manager, IPMI/DRAC automation, DNS/DHCP & more.
 - Compute hardware supported includes Sun x4170/v40z/v440/e450/, Dell 1950/R900/2950/6950, IBM S8500/P550/P570 & more.
 - Managed dozens of Sun 7000, Network Appliance, and Pillar Data storage appliances including hardware, configuration, and monitoring.
 - Created storage automation scripts in perl, python, bash, and akwf (ECMAScript)
 - Supported mission-critical 24x7 Tier 3 data center environment
 - Primary system administrator for <http://support.oracle.com/> (My Oracle Support/MOS) disaster recovery site in Salt Lake City
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UNIX System Administrator

Oracle USA/Siebel

Salt Lake City, UT

2004-2008

- Maintained over 1,600 AIX, HP-UX, Linux, and Sun Solaris systems, including hardware troubleshooting, kernel updates, and operating system tuning
- Taught UNIX administration to UNIX novices and intermediates
- Managed NetBackup and Network Appliance VTL data recovery solution for multi-terabyte global storage
- Created rapid system deployment methods for Redhat, Oracle Enterprise Linux, and SuSE with Kickstart and OpForce
- Maintained over 1,600 AIX, HP-UX, RedHat/SuSE/Oracle Enterprise Linux, and Sun Solaris systems

- Trained and mentored system administrators overseas

Sr. UNIX System Administrator

American Investment Bank

Salt Lake City, UT

2002-2003

- Architect over migration from legacy NetWare/Win32 to GNU/Linux infrastructure
- Implemented Cyrus IMAP, OPENLDAP, and WebCalendar, saving \$18,000 versus GroupWise upgrade
- Replaced Checkpoint Firewall-1 with iptables, poptop, and IPSEC on GNU/Linux, resulting in a one-time \$11,000 cost saving and \$7,000 annual savings
- Designed and deployed Plone/Zope-based content management system to assist in IT training for 200+ person organization and 10-person IT staff

Engineering System Administrator

Talk2 Technology

Salt Lake City, UT

2001-2002

- Integrated and administered HP-UX, GNU/Linux, Solaris, and Cisco PIX firewalls for VOIP and SS7 telephony applications
- Deployed CVS (Concurrent Versioning System) to replace Microsoft Visual Source Safe, reducing source repository downtime from several hours per month to nothing.
- Built HP-UX and Sun Solaris DS3-based telephony gateways, bringing expertise in-house and virtually eliminating vendor support calls.
- Sun Solaris administration for Oracle 8i on 440, proprietary telephony software and devices on Sun Blade hardware

VLSI Integrator (Member, Technical Staff)

Velio Systems

Milpitas, CA

2001

- Glued perforce SCM and Bugzilla together, bringing software revision management techniques to VLSI silicon design on Sun Solaris back-end
- Built SAN (Storage Area Network) on Sun StorEdge 3000 to house perforce database to store over three terabytes of chip designs
- Trained employees on bug life cycle, allowing integration of two formerly separate teams on opposite sides of the nation

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Lead System Administrator

Excite@Home

Orem, UT

1999-2001

- Managed sysadmin crew on 24-hour shifts, overseeing approximately fifty Sun servers and fifty Sun, GNU/Linux, and BSD workstation-class machines
 - Designed Veritas NetBackup disaster recovery routine for seven terabytes on EMC and Network Appliance hardware; repeatedly prevented data loss despite hardware failures
 - Wrote and enforced data security policies for e-commerce division; not a single customer record was ever exposed
 - Reduced Apache memory footprint by nearly 80% (from 34 MB per fork to 7 MB) through optimization by use of virtual hosting database for over 3,000 customers
 - Implemented WCCP (Web Cache Control Protocol) gateway services on Cisco 7200 & Cisco LocalDirector for web acceleration; handled several hundred nodes on Cisco 9600 switch
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Assistant Network Administrator

Singletrac/Atari

Salt Lake City, UT

1997-1999

- Drafted & implemented DLT autochanger backup system on Novell & Win32
 - Administered C programming, Mac Protocols audio, and SGI IRIX (UNIX) workstations
 - Worked with team to design and build GNU/Linux & Apache-based content management system
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Systems Engineer

Las Vegas Computers

Las Vegas, NV

1996-1997

- Jockeyed a screwdriver in on-site, for hire PC consultation on Novell, SCO UNIX, and Microsoft Windows 3.X/95/NT systems
 - Migrated 100-node legal firm from Windows 3.1 to Windows 95, eliminating communication barriers between lawyers and clients
 - Implemented fax gateway with optical character recognition
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Sales & Technical Support

Interactive Satellite Internet Service

Rigby, ID

1995-1996

- Deployed and serviced satellite-based Internet delivery to remote locations
 - Installed Internet software for homes and businesses
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MATTHEW P BARNSON

EDUCATION AND TRAINING

Bachelor of Science, Information Technology Salt Lake City, UT	2011 (attending, est. graduation 2015)
Oracle Database 10g Administration Oracle USA, Inc. Colorado Springs, CO	2010
ITIL Foundations Oracle USA, Inc. Sandy, UT	2009
Symantec/Veritas OpForce Oracle USA, Inc. Salt Lake City, UT	2006
Siebel 7 Essentials Siebel Systems, Inc. Sandy, UT	2005
Pre-Bachelors BYU Idaho Rexburg, ID	1994
Networking with Windows NT National Radio Institute Washington, D.C.	1996
Microsoft Certified Professional	1999

VOLUNTEER SERVICE

GNU Organization	Webmaster	2003-2004
Mozilla Foundation	Documentation, Bugzilla	1998-2003
Ute RC Association	Webmaster	2004-Present
Utah Heli Association	Webmaster, flight instructor	2010-Present

CONSULTING

- Bugzilla installation and configuration, various (2004-present)
- Drupal installation, modification, maintenance, various (2004-present)