

# MATTHEW P BARNSON

---

272 West Daniel Drive  
Tooele UT 84074

435.843.5154 mobile: 435.850.9860  
e-mail: matthew@barnson.org

---

## SUMMARY

Career systems administrator in diverse industries including banking, e-commerce, telephony, and gaming. Supported systems from thousands of customers to a few dozen employees. Recognized for deep system knowledge and troubleshooting ability. With a book, I can learn anything!

---

## SKILLS

**Operating Systems:** GNU/Linux (RedHat, SuSE, Ubuntu, Debian), HPUX, Solaris, AIX, Windows NT/2K/XP, 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:** PHP, Perl, Bash, SGML, XML, HTML, OpScript

**Miscellaneous:** OpenOffice.org, Groupwise, tech management, Siebel, BMC Patrol

---

## EXPERIENCE

### UNIX System Administrator

Oracle USA/Siebel

Salt Lake City, UT

2004-Present

- 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
-

# MATTHEW P BARNSON

---

## Sr. UNIX System Administrator

Smith Johnson & Associates

Salt Lake City, UT

2004

- Administered Sun Solaris, Linux, and Win32 systems to deploy custom device management application
  - Documented administration and maintenance procedures
  - Deployed SNMP-based systems monitoring application
- 

## 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 verses 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
-

# MATTHEW P BARNSON

---

## 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
- 

## 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
- 

## 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
- 

## 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
-

# MATTHEW P BARNSON

---

## EDUCATION AND TRAINING

Symantec/Veritas OpForce	
Oracle USA, Inc. Sandy, 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	Doc Maintainer, Bugzilla	1998-2003
The <withheld> Foundation	Webmaster	2004-Present

---

## CONSULTING

- Bugzilla and CVS integration with SunONE LDAP, Albertsons, Inc. (2004-2005)
- Bugzilla installation and configuration, various (2004-present)
- Drupal installation, modification, maintenance, various (2004-present)