

Christopher Brown

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Software Skills

Database: Oracle 9i, PostgreSQL, MySQL, SQL, SQL Plus, Perl DBI, Python DB API.

Programming Languages: Python, Perl, Bourne/Korn shell, SQL, XML, TCL, PHP, HTML, JavaScript.

Operating Systems: Linux (Red Hat, Debian), Windows 95/98/ME/NT/2000, Solaris/SunOS 2.6, 7, 8, 9, HP-UX 11, OpenBSD, FreeBSD.

Networking: TCP/IP, SNMP, DHCP, BOOTP, DNS, SMTP, POP3, IMAP, HTTP, HTTPS/SSL, Routing Protocols, Cisco IOS Configuration, Firewall Configuration, VPN Configuration (IPSEC & PPTP).

Hardware Skills

Sun Enterprise Servers: E3500, E250, E420R.

Intel Processor Servers: Dell PowerEdge, Compaq ProLiant, HP NetServer, IBM eServer.

Network Equipment: Cisco Catalyst 6500, 2900, and 3500 series switches, Cisco Pix Firewalls, Cisco 2500, 2600, 3600, UBR, and 7200 series routers, F5 Big-IP Load Balancers, Linux LVS Load Balancers.

Storage: Sun L1000 DLT Library, Sun A3500 Storage Array, EMC Symmetrix Storage Array, Dell PowerEdge Storage Array.

Certifications: Cisco Certified Network Associate (CCNA).

Employment History**Unix Administrator**

Interland Miami

October 2003–

Interland is one of the largest hosting providers in the country, with data centers in Atlanta, Orlando, Miami, Fremont, and Seattle. The Miami facility hosts around 6,000 Windows and Linux dedicated servers.

Achievements:

- Acted as final tier of escalation for customer Linux issues, including: iptables firewalls, LVS loadbalancing, hardware issues, performance problems, server compromises, and others.
- Developed a solution for automated scanning of the network for vulnerable ports which might indicate a compromised server.
- Assisted with maintenance of Tivoli backup server and clients.

Unix and Network Consultant

Office To Go contracting for Advanced Cable Communications

August 2003–October 2003

Office to Go is the IT contractor for Advanced Cable Communications, the local cable company for the Weston and Coral Springs, Florida areas. Advanced Cable provides cable modem internet access to around 12,000 users between the two cities.

Achievements:

- Helped existing admin and new junior admin gain a better understanding of the administration of Cisco and Sun hardware via training and documentation.
- Did a root cause analysis of network performance problems, implemented some temporary solutions, and made recommendation of a hardware upgrade for a permanent solution.
- Assisted in the implementation and rollout of a new Linux email server capable of supporting 12,000 active users, including realtime spam and virus checking.
- Rolled out simultaneous security updates to Solaris and Redhat systems from custom built packages to mitigate a serious security vulnerability.
- Acted as a liaison with bandwidth provider, helping to communicate the network layout and to make sure that due diligence was done in network upgrades.
- Upgraded Cisco IOS images, troubleshot and documented existing configurations, upgraded hardware during maintenance windows. Troubleshot performance problems with Cisco UBR cable modem routers.

Systems and Network Administrator, Unix Developer

Volando.com

January 2001–March 2003

Volando.com is a high volume travel ecommerce site, focusing on the Latin American market.

Achievements:

- Maintained consistently high availability of load balanced web cluster and Oracle database backend on Sun hardware.
- Enhanced intercompany communication by creating and maintaining multiple international site to site VPNs; developed remote access VPN procedures and policies; trained employees and contractors on VPN procedures and usage.
- Wrote mailing list software in Python, interfacing with the existing customer database in Oracle, capable of reliably sending acknowledgement messages to customers upon receipt of their orders.
- Wrote Perl scripts to import a large number of XML records into an Oracle database and to analyze logs.
- Set up monitoring software to monitor server and network health, including pager notification on error conditions.
- Performed day to day administration of Vignette StoryServer, including interfacing with developers in order to optimize server and site performance.
- Maintained a secure site environment, by maintaining firewall rulesets, keeping security patches up to date, and auditing systems for security.
- Managed a crossplatform network environment, including a Windows LAN, Solaris and Linux servers, and Cisco routers and switches.

System Administrator, Web Developer

Eritmo.com

September 1999–December 2000

Eritmo.com was a high-volume website focused on news about latin music.

Achievements:

- Administered a high volume website, running on Vignette StoryServer, with an Oracle backend on Sun hardware.
- Managed a crossplatform network environment, including a Windows LAN, Solaris and Linux servers, and Cisco routers and switches.
- Managed a video streaming environment, including setup and administration of RealMedia streaming servers, and setup of video capture devices.
- Wrote a web log analysis and automation solution in perl, gathering logs from several different sources and formatting them all the same way, thereby providing consistent and reliable statistics of the website performance.

Webmaster/Network Administrator

ImageExpress Corp.

January 1999–September 1999

Achievements:

- Became webmaster for a small design/print company, and helped them bring their business to the web, by advising them on web technologies, administering their linux webserver, developing CGI scripts for their customers, and optimizing their HTML and graphics for best downloads.
- Managed the LAN and internet access for a small company, with a mixed Macintosh, Windows, and Linux environment.
- Implemented a Linux email server for a customer, including IMAP, SMTP, and webmail access.

Computer Lab Manager

University of Miami

May 1998–January 1999

The University of Miami is a private college, and one of the oldest colleges in Miami.

Achievements:

- Troubleshooting and fixing software and hardware problems.
- Training lab monitors and students to handle tech support duties in a Graphic Arts department.
- Installation, configuration, and networking of printers and computers.

Professional Association Memberships

USENIX

SAGE

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