

Carlos Eduardo Pedroza Santiviago

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Objective

A full-time position in systems administration or information security with areas of interest that include UNIX and Linux administration, clustering technologies, tasks automation, and computer and network security.

Experience

Itaipu Binacional

Foz do Iguacu, Parana, Brazil

Systems Administrator
April 2006 – Present

- Administration of 100+ Linux, AIX and Windows 200x servers;
- Management of several services like Samba, OpenLDAP and CUPS for 3000+ users;
- Virtualization using System p and VMware;
- SAN and Storage management;
- Clustering using Heartbeat and DRBD;
- Monitoring of computer and network resources using Tivoli, Nagios and Cacti;
- Servers and workstations security management;
- Automation of common tasks using Bash scripts and Python;
- Participation in 24x7 on-call rotation and tickets management;
- General problem investigation, troubleshooting and performance tuning.

Prognus Software Livre

Foz do Iguacu, Parana, Brazil

Lead Consultant
April 2005 – March 2006

- Led a team of 15 free software consultants;
- Researched, developed and implemented LDAP trees and integration with Samba;
- Migrated Windows NT servers to Samba and OpenLDAP, preserving the existing relationship of Windows servers and workstations;
- Implemented FTP servers (ProFTPD and vsftpd), Web Servers (Apache), Mail Servers (Postfix), and Database Servers (MySQL and PostgreSQL);
- General free software infrastructure support.

Parque Tecnológico Itaipu

Foz do Iguacu, Parana, Brazil

Lead Consultant
April 2004 – March 2005

- Implemented the computing infrastructure of the company, creating file servers, authentication servers, mail servers and web servers, all using free and open source software;
- Defined backup and security policies;
- Researched, developed and implemented several servers for thinclients, using mostly the software provided from the LTSP Project;
- Supported specific users problems (level 2 support).

Qualifications

Hardware: Good knowledge of x86 computer architecture, plus some knowledge of IBM POWER / PowerPC computer architecture.

Operating Systems: Extensive knowledge of Linux, good knowledge of Mac OS X, AIX, Windows NT/XP/200x, plus some experience with FreeBSD and OpenBSD.

Networking: Extensive knowledge of the TCP/IP protocol suite (IP, ICMP, TCP, UDP, HTTP, DNS, FTP, SMTP, SNMP, and others) and the ISO/OSI model. Good knowledge of Ethernet specification. Some experience with WLAN technologies.

Programming Languages: Extensive knowledge of scripting languages (bash, awk, sed), and experienced in Python, Perl, C and x86 Assembly.

Virtualization: Good knowledge of System p (IBM), VMware, Xen and KVM/QEMU.

Applications and Services: Advanced knowledge of Web Servers (Apache, IIS, nginx, lighttpd), Samba, OpenLDAP, NFS (v3,v4), DNS/DHCP (ISC), Printing (CUPS, iPrint), SSH (OpenSSH),

SMTP (Postfix), Proxy (ISA, Squid), Monitoring (Nagios, Cacti, Mon, Tivoli). Good knowledge of BEA Weblogic, MySQL, PostgreSQL, CVS and Subversion.

Storage Systems: Great experience with RAID, SAN and NAS Systems.

Computer and Network Security: Good knowledge of IDS (Snort, OSSEC), Firewalls (PIX, ASA, Firewall-1, IPTables), Anti-virus solutions (TrendMicro, ClamAV), Content filtering (Websense, Dansguardian), security policies and penetration tests.

Clustering Technologies: Experienced with Heartbeat/Pacemaker, DRBD and Linux Virtual Server.

Systems Administration: General problem analysis and investigation, troubleshooting, capacity planning and performance tuning.

Certifications: CISSP-ISSAP, CISA, LPIC-3, RHCE, CCNA Security, ITIL v3 Foundation.

Languages: Fluent in Portuguese, English and Spanish.

Education

Universidade Estadual do Oeste do Parana (UNIOESTE), BS in Computer Science, April 2004.

Activities

Volunteer of Latinoware <http://www.latinoware.org> – one of the biggest Free Software Conferences in Latin America, where we organize and discuss everything related to free/libre open source softwares. April 2004 – Present

Volunteer of the Ubuntu Linux Project <http://www.ubuntu.com>, helping new users, advocating, documentation and packaging tasks. April 2005 – Present

Creator and maintainer of SoftwareLivre.net: Step-by-step towards freedom! <http://softwarelivre.net>, a website with articles and howtos about free and open source software, helping sysadmins and users to achieve their needs. (Portuguese only) August 2007 – Present

References

Available upon request.