

Carlos Eduardo Pedroza Santiviago

861 Izidoro Pastorello
Foz do Iguacu, Brazil
+55-45-99755590
carlos@santiviago.com

Objective A full-time position in systems administration (SAGE Level III) with areas of interest that include UNIX and Linux administration, clustering technologies, tasks automation, and computer and network security.

Experience **Itaipu Binacional** *Systems Administrator*
Foz do Iguacu, Parana, Brazil **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;
- 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 *Lead Consultant*
Foz do Iguacu, Parana, Brazil **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 *Researcher*
Foz do Iguacu, Parana, Brazil **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: LPIC-3 – Senior Level Linux Professional, LPI 302 – Mixed Environment, RHCE – Red Hat Certified Engineer, CCNA – Cisco Certified Network Associate.

Languages: Fluent in Portuguese; proficient in 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.