

Carlos Eduardo Pedroza Santiviago

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Experience

Itaipu Binacional

Foz do Iguacu, Brazil

- Administration of hundreds of Linux, AIX and Windows servers, assuring the continued business operation, through proactive analysis, monitoring, security management and clustering
- Automation of common tasks using Bash scripts and Python, reducing repetitive manual operations, leaving more time and efforts to new projects
- General problems investigation and troubleshooting, capacity planning and performance tuning
- Participation in 24x7 on-call rotation and tickets management

Systems Administrator
April 2006 – Present

Prognus Software Livre

Foz do Iguacu, Brazil

- Led a team of 15 consultants, researching, developing and implementing free software applications and services, helping companies to achieve their migration goals from proprietary software

Lead Consultant
April 2005 – March 2006

Education

Universidade Estadual do Oeste do Parana, BS in Computer Science, April 2004

Skills

Operating Systems: Linux, good knowledge of Mac OS X, AIX, Windows NT/XP/7/200x, plus some experience with FreeBSD and OpenBSD

Networking: TCP/IP protocol suite (IP, ICMP, TCP, UDP, HTTP, DNS, FTP, SMTP, SNMP, and others) and the ISO/OSI model. Experienced with Ethernet and WLAN

Programming Languages: Scripting (bash, awk, sed), and some knowledge in Python, PHP and C

Virtualization: System p (IBM LPAR), VMware, Xen, KVM/QEMU and OracleVM

Applications and Services: Web Servers (Apache, nginx), Samba, OpenLDAP, NFS, DNS/DHCP (ISC), Printing (CUPS), SSH, SMTP (Postfix), Proxy (Squid), Monitoring (Nagios, Cacti)

Storage Systems: RAID, SAN and NAS Systems

Computer and Network Security: IDS (Snort, OSSEC), Firewalls (Checkpoint Firewall-1, IPtables), VPN, Anti-virus solutions, Content filtering, security policies and penetration tests

Clustering and Load Balancing: Heartbeat/Pacemaker/OpenAIS/CoroSync, DRBD and haproxy

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

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

Languages: Fluent in Portuguese, Intermediate in English and Spanish

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 how-tos about free and open source software (Portuguese only)
August 2007 – Present