Claudiu COSTIN

Overview

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Area of Expertise: **UNIX/AIX/Linux System Administration**
Web Programmer
Team Coordinator
Electronical Engineer

Date of Birth: **March 17, 1973**

Objective / Summary

I work over a large range of positions, from system administrator and web programmer to project teamleader. I work eficiently under AIX, Linux and Windows, where I have a very good experience both with programming and administration at international level, managing and working on well known *open-source* projects.

For more than five years, all my work and my energy has been directed to increase the work's quality for me as for all the people who I managed or worked with.

Experience

Orange Romania [03/2002 - present] - *system support engineer*
- administrate IBM RS/6000 SP and p660/650 server nodes with AIX 4.3.3 and AIX 5.1/5.2L
- administrate IBM Tivoli Storage Manager 5.x for UNIX, Windows and Linux clients on a variety of hardware: IBM 3583 SAN Tape Library and IBM 3570 models
- administrate Intel-based Linux (Debian and SuSE) and Windows 2000 servers on IBM x445 and HP Vectra hardware: Samba, FTP, MySQL, Apache
- restructured all backup and archiving scripts providing high level support and reliability for operational tasks
- support for Oracle databases both for financial Oracle Applications and data warehouse jobs
- involved in many local IT projects and upgrades
- helping not only on administration tasks but even on software development projects leveraging my long experience with open-source projects and technologies: CVS, AIX's GNU/Linux support software and automation
- centralized logging, documentation, statistics collection and monitoring
- networking development with longwave/shortwave fiber and copper gigabit ethernet cards, and switches, and WDM technology
- maintain and operate fibber channel interconnect, SAN, EMC Symmetrix Symcli and Time Finder, Brocade FC Switches
- worked on complex Oracle Applications migration project
- worked on Lotus Notes for AIX project

Matrix Communications - Business Media Group [04/2001 - 03/2002] - *project manager, network administrator and web programmer*
- building from the ground programming team and programming culture using *open source* technologies and Linux
- heavy contribution to programming structure, applications, support technologies and other programmers applications. The results were Bumerang http://www.bumerang.ro and Eva http://www.eva.ro successfull launching, using hybrid dynamic-static content generation with PHP, WML and MySQL
- programming, configuring and installing Freemail Bumerang services http://mail.bumerang.ro both web interface and low-level services (virtual POP3, SMTP server etc.)
- programming, coordination and installation for intranet web sites: documentation, sites and applications content management, Web CVS interface etc.
- administrate the BMG's 2 networks and computers (running Windows, MacOS and Linux), the 4 Linux main servers which host a range of internal and external services: web, mass virtual webhosting, FTP, mail, virtual POP3, mailing lists, IRC, CVS, proxy, anonimizer, rsync

- implemented advanced security solutions, logging, integrity checking and atack monitoring
- checked, wrote documentation and instructed programmers for using robust and secure web programming technics against cyber atacks and hardware/software failures
- permanent technical consultant for "Bumerang" magazine and I wrote articles for BMG web sites

Dumars [3/1993 - 9/1999] - *electronical engineer, programmer*
- building and maintaining electronic gambling machines (20 builded and 40 maintained). I had electronic devices, TVs and, videos on maintenance.
- made and maintained 4 PC computers, Internet connection, company web site
- filled company design needs for advertising (papers, flyers etc.)
- one of remarcable things: semiautomatic control system for pool tables totally made by me (program, PC computer and power light controler) and which is running flawlessly up to the present.

Brod Center [11/1998 - 6/2000] - *IT manager, web programmer*
- my duty was continuous uptime for Novel Netware network with 6-7 PCs, from which 3-4 have been used as Windows 9x network with 2 shared printers.
- responsabilities: network maintenance, automatic backup implementation and fixing any software-hardware failure (almost all the software was French-based.)

C&C Computers [10/1998 - 6/1999] - *IT reponsible*
- my duty was to keep up and running the internet cafe of 6 PC computers network with Windows 98, from which, one had Internet dial-up connection.
- responsabilities: Windows installation, configuration and "cleaning", games, network.

Software [1992 - present] - *project chief, system administrator, programmer*
1999-present - KDE (http://www.kde.org) Romanian translation team coordinator. I've made KDE 3.x, 2.x and 1.1.2 GUI's and documentation Romanian translation (more than 50000 translated messages). Some contributions on the KDE source code itself.
2000-present - system administrator and webmaster for KDE internationalization (i18n.kde.org) website and server; contributions for almost all programs of KDE documentation system.
1999-present - Linux-KDE Romania webmaster (http://www.ro.kde.org).
2001-2004 - Linux-IrDA (irda.sourceforge.net) webmaster and contributor.
2002-2004 - Quax (www.ro.kde.org/quax/) - very nice and handy desktop magnification tool which received a review in the Japanese "Linux-Magazine" magazine from July 2003.
2003-2004 - SMCINIT (irda.sf.net/smcinit/) - utility for initializing IrDA controler on the Toshiba laptops.
2002-2004 - MyDJBDNS (www.ro.kde.org/djbdns/) - my own contributions to the Dan Berstein's djbDNS system: slides, patches and utilities
2000-present KcmPureFTPd (http://www.ro.kde.org/kcmpureftpd/) - graphical configuration interface for pure-ftpd FTP server
2000-2003 KZoom (http://www.ro.kde.org/kzoom/) - desktop magnifier for KDE;
2000-present Other contributions: qmail - utilities; Easy Ezmlm - utilities for mailing list manager; KBabel (http://i18n.kde.org/tools/kbabel) patches and I wrote in english many parts from user's handbook
1999-2004 - Analog and Digital Communications Laboratory webmaster and system administrator from "Politehnica" University Bucharest.

Hardware [1990 - present] - *electronical engineer*
1990-1999 - any complexity service for TV, video, audio (hundreds of repaired devices); hardware-software PC automation for accounting systems with electronic ID keys, EEPROM memories, pool tables control sistem, infrared command etc.
1994-2000 - hardware-software service for PCs (hundreds), PCs assembling, consulting, network installation and Internet.

Other [2000 - present]
2003-2004 - 2 published articles and 1 review in 'Linux Magazin" magazine about Linux and KDE: 11/2003 "Traducerea aplicatiilor 1", 12/2003 "Traducerea aplicatiilor 2", 03/2004 "Desktopmania"

2000 - 4 published articles in "Chip" magazine about Linux and KDE: 5/2000, 6/2000, 7/2000, 8/2000.

Studies

2000 - present - I work on Ph.D at Electronic and Telecommunications Faculty, inside Departament of Telecommunications, with "Infrared accesible LANs" theme.
1999 - 2004 - I was Analog and Digital Communications Laboratory assistent and I worked as final-year project coordinator. I managed 4 generations of students (with a total of 7 students) for their projects regarding IrDA technology.
1999 - I presented my graduation project "Infrared Communications and LANs" and I obtained 10 ("A" equivalent). With same work, I won second prize to Scientific Communication Session from March 1999.
1991-1999 - Electronics and Telecommunication Faculty from "Politehnica" University of Bucharest. Licence exam qualifycation was 9.50 ("A minus" equivalent) and I've obtained Electronics Telecommunication Engineer degree.
1987-1991 - High School no. 13, "Posta si Telecomunicatii" Bucharest. I've graduated with 8.64 and I've obtained Telecommunication Electronist degree.

Skills

IBM AIX and enterprise technologies
Unix:
- AIX 4.3.3, AIX 5.1 and AIX5.2L on a variety of IBM gear: RS6000/SP, 7024-H70, p650-6M2; NIM, HACMP (little), NFS, SNMP, NTP.
- operational tasks formalization, disaster recovery planning

Oracle: (from system administrator point-of-view)
- Oracle 9i/8.1.7 installation, patching and configuration
- Oracle Applications cloning, operating, troubleshotting
- many DBA-related activities known
- SQL knowledge

Other technologies: - Lotus Notes on AIX; Tivoli Data Protection for Domino
- SAN over Brocade switches, EMC Symmetrix class storages and IBM FaSTt 400. EMC Symcli and Time Finder operating, SSA arrays, ADSM and Tivoli Storage Manager administration over IBM 3570 SCSI-attached and IBM 3583 SAN-attached.

Other UNIXes:
- 6 months work experience with OpenBSD 2.9 and 3.1 on x86 hardware
- 2 months desktop work experience with Solaris 8 on Sparc and Solaris 10 on x86

Linux (Debian, SuSE, RedHat, and others)
programming:
- PHP4 + MySQL web applications, sofisticated distributed application systems made with Perl + PHP + shell scripting, advanced HTML 3.2-4.x + CSS and experience with browsers bugs and particularities, basic Javascript
- C on Linux, C++ using Qt and KDE libraries, Tcl/Tk scripting, advanced Bash scripting, system utilities (sed, awk, grep, find etc.)
- GNU tools for applications development (autoconf, automake)
- experience to build applications from concept, documentation, graphics to packaging, launching and lifecycle maintainance. Good experience on teamwork concurent versioning systems like CVS
- international work experience on many open-source projects: solution findings, conflict resolution etc.

system administration:
- advanced TCP/IP knowledge, Linux 2.x - 2.4.x routing, NAT, HTTP, DNS, SMTP, POP3, IMAP protocols
- Apache + mod_rewrite + SSL configuration/administration, mass virtual webhosting
- qMail, mass virtual POP mail, sendmail, ezmlm mailing lists
- djbdns, BIND, MySQL, CVS servers, custom IRC server and services, rsync, mrtg and rrd+nrg custom generated statistics. - security: file system integrity with Tripwire, Nmap, Snort, chroot()-ing services, firewall, tight access policy.
- custom Perl/Bash medium sized utilities for network maintainance. - administrate/configure Windows SMB sharing services, Apple NetAtalk, Linux NFS, LPD, SMB and PAPD printing systems.

graphic/design applications:
Gimp (Photoshop clone) and Gimp-Perl scripting programming, PovRay (raytracing) - almost all graphics used on my sites have been made/processed using Gimp and/or PovRay.

office/documenting applications:
OpenOffice (MS Office clone), Lyx/Klyx, DocBook, XML, LaTeX and other

Windows 2000/XP/9x / DOS (quite old for now...)
software:
- knowledge of Windows 2000/XP subsystems, operating, registry manipulation, networking, MS Office, OpenOffice, Corel Draw, Adobe Photoshop etc.

programming: (1994 - 2000)
- Borland C (hardware automation programming), Tcl/Tk, Perl/Tk (graphical applications), Visual FoxPro (real estate application), Borland Pascal (tens of medium sized programs), Visual Basic knowledge (few applications) and Borland Delphi (few hardware automation applications)

MacIntosh
I have knowledge of Apple2 and MacIntosh G3/G4 operating and configuration, especially in networking and AppleTalk protocols.

Known Languages
English: write - good, read -good, spoke - medium
French: write - medium, read - good, spoke - medium