

Curriculum Vitae

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1. Personal Information

Phone: +34 639141087

Date of birth: 11/05/1972

Driving License: B1

2. Employments

2.1. VozTelecom Sistemas, S.L.

From February 2003 to present time.

Co-founder and CTO.

Company dedicated to VoIP services and applications based on SIP protocol.

2.2. Tiscali / Worldonline

From November 1999 to October 2002.

Engineering Department Manager which includes Network Engineering, Systems Engineering and Security units.

Main responsibilities:

- Team and resource management from units included in Engineering Department.
- Engineering projects management, control of costs and budget, providers, team coordination, etc.
- Planning, design and implementation of new network, system and security infrastructures.

Key projects:

- Planning, design and implementation of Tiscali's multiservice IP network including SS7 interconnection, access (dial-up and VoIP), backbone, etc.
- Planning, design and implementation of Tiscali's ADSL access network with interconnection of all 109 spanish zones.
- Network, systems and services integration from ISPs acquired by Tiscali: Worldonline, Inicia, Readysoft, OEM and Map Telecom.
- Planning, design and implementation of Worldonline's national access and backbone network.
- Member of Tiscali/Worldonline international work groups: hosting, security and networking.

2.3. Past employments

- *Nexus Comunicaciones, S.A.* November 1997 - November 1999. Systems and network administrator.
- *Abaforum, S.A.* February 1996 - November 1997. Technical director. Systems and network administration.
- *D'Ocon Films, S.A.* January 1995 - February 1996. Systems administrator.
- *Telelux Telecomunicaciones.* October 1993 - February 1995. Assembly and repair of computers.
- *Freire Public School.* September 1990 - December 1995. Teacher: MS-DOS, Windows, Lotus123, FrameWork, WordPerfect, DBase, Clipper and Pascal.
- *E.T.P.H.* October 1989 - June 1991. Programmer: C, Pascal, Assembler, DBase and Clipper.

3. Languages

- *Spanish:* Fluent.
- *English:* Fluent.
- *Catalan:* Fluent.

4. Education / Certifications

- Cisco CCNP, 2002.
- Cisco CCNA, 2001.
- Master in Management of Information Technologies. La Salle University - Ramon Llull, 2001.
- Computer and Information Systems specialist. Escola Tecnico Professional Hostafranchs, 1990.
- High School - Computers specialist. Escola Tecnico Professional Hostafranchs, 1989.

5. Training

- SonicWall Security Administrator. SonicWall / Ingram Micro, Barcelona, 2002.
- Shasta BSN5000. Nortel Networks, Madrid, 2002.
- Tiscali International Network MPLS Services. TiNet, Frankfurt, 2002.
- Juniper MPLS / IS-IS Networks. Juniper Networks, Milán, 2001.
- Cisco MPLS VPNs. Cisco Systems, Milán, 2001.
- Juniper Networks Hardware. Juniper Networks, London, 2001.
- Cisco xDSL Technologies. Cisco Systems, Amsterdam, 2001.
- Cisco VoIP Technologies. Cisco Systems, Brussels, 2001.
- IPv6 Networks. Hal2001, Amsterdam, 2001.
- FreeBSD Kernel Internals. Hal2001, Amsterdam, 2001.
- Security on Cisco Routers. Cisco Systems, Rotterdam, 2001.
- RIPE LIR Training. Ripe NCC, Madrid, 2000.

- EMC2 Storage Systems. EMC2, Rotterdam, 2000.
- BGP with Cisco Routers. Cisco Systems, Amsterdam, 2000.
- BSD TCP/IP Stack. SANE 2000, Maastricht, 2000.
- BSD Kernel Internals II. Kirk McKusick, California, 1999.
- BSD Kernel Internals I. Kirk McKusick, California, 1999.
- Sendmail Internals. Eric Allman, California, 1999.
- Solaris Administration II. Sun Microsystems, Barcelona, 1998.
- Solaris Administration I. Sun Microsystems, Barcelona, 1998.
- Novell Networks Administration II. Novell, Barcelona, 1996.
- Novell Networks Administration I. Novell, Barcelona, 1995.
- Lantastic Networks. Lantastic, Barcelona, 1994.
- Local Area Networks. ATI, Barcelona, 1993.

6. Published articles

- Free Software based systems architectures. E-Comm, 2001.
- Network Security. TI Magazine, 2000.
- Network Peerings. PC Actual, 2000.
- Sendmail configuration. TI Magazine, 2000.
- FreeBSD PPP. PC Actual, 2000.
- UNIX systems introduction. E-Comm, 2000.
- UNIX systems security introduction. Net Magazine, 1999.
- FreeBSD Security. PC World, 1999.
- FreeBSD Installation. PC Actual, 1999.
- FreeBSD Introductcion. PC Actual, 1999.
- FreeBSD, a free UNIX-like system. PC World, 1998.

7. Speaker Conferences

- FreeBSD, present and future. Hispalinux, 2001.
- The FreeBSD Project. Linux Expo, 2000.
- FreeBSD 4.x. Benaguasil, 2000.
- The FreeBSD Proyect. HackIt, 2000.
- FreeBSD 4.x. Hispalinux, 2000.
- FreeBSD. Hispalinux, 1999.

8. Skills

8.1. Networking

- Cisco and Juniper routers: transport: ATM, POS, HDLC, frame-relay, LMDS, RDSI, PRI, ethernet. Interfaces ethernet, fastethernet, gigasethernet, BRI, PRI, serial, E3, T3, DS3, HSSI, STM1, tunnels IPIP, GRE, IPSEC, PPPoA, PPPoE, 1483B, 1483R.
- Routing protocols: MPLS, IS-IS, BGP4, BGP4+, OSPF, RIP, EIGRP, IGRP.
- Routers: Cisco (from 7xx to 7xxx series), Juniper (M5, M10, M20 and M40), 3Com, Bay Networks, Telebit, Shiva, Zyxel, Teldat. Access agregators Shasta BSN 5000 from Nortel and RedBack's SMS series.
- Cisco Catalyst switches from 19xx to 65xx. ATM switches Passport 7k and Centillion from Nortel. Nortel's Alteon multilevel switch. Caching systems with Cisco's WCCP and NetApp's NetCache.
- RIPE's Autonomous Systems management, address allocations and WHOIS database.
- NAS's: Cisco, Lucent APX8000 y MaxTNT, Telebit, Ascend, Livingston
- Planning, design and implementation of VPN concentrators with Cisco and Juniper routers and FreeBSD systems.
- Network and systems monitoring platforms: OpenView, Netcool, Big Brother.
- AAA Systems: Radius, Cistron, Ascend, Radiator, Free Radius, Tacacs, Tacacs+.

8.2. Systems

- Planning, design and implementation of big multiservice/multiserver architectures, load balancing, etc.
- Internet Services: http, https, dns, smtp, pop, imap, uucp, ftp, nntp, telnet, ssh, wccp.
- Operative Systems: Solaris, FreeBSD, Linux, Irix, OpenBSD, NetBSD, BSD/OS, Windows 95/98/NT/2000/XP.
- FreeBSD Committer from 1998.
- Programming: C, Pascal, Shell Script, Visual Basic Script, HTML, SGML, XML, DocBook.
- Proxy/Cache, transparent proxy and reverse proxy services: NetCache, Squid, Apache, Akamai.
- CVS, CVSUP and Perforce Servers and repositories.

8.3. Security

- Design of network and systems security architectures.
- IDS systems, firewalls and security tools: Snort, Checkpoint, Nokia, NetScreen, ipfw, ipfilter, ipchains, iptables, Satan, Saint, Nmap, ISS, LOPHT, port scanners, etc.
- Network and systems security audits.
- Secure communications architectures design and crypto protocols: ssh, pgp, MD5, DES, 3DES, etc.