

Christian David
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EMPLOYMENT HISTORY

Independent Consultant

Clients have included (in reverse chronological order): Residential Heating & Air Conditioning Inc. (2016), KrakenWhip (2016), KinkBNB (2015), Interviewing.io (2014), iXSystems (2013), PodOmatic (2013), Mission Workshop (2010), Rainforest Action Network (2010), Kiva.org (2010) Applied Ops (2009-2015 [still an advisor]). Specifics of client consulting are for the most part private and bound by NDA, but I can provide anecdotal perspective in interviews if you are curious. Typically I would perform network and system administration duties as a standard IT type role, but also on occasion do some development, deployment of new hardware and software, would recommend equipment or vendor purchases, assist with internal security review and incident response and remediation, and help my clients cultivate and implement best practices relative to the needs of their organization as appropriate, referring them to other trusted vendors or collaborators if required or if I knew some other organization or individual was a better fit for their particular needs.

System Administrator

Sauce Labs
San Francisco, CA 2015

Senior System Administrator

Cybernet Entertainment (aka CNEMedia aka Kink.com)
San Francisco, CA 2007–2009 (full time) & 2012–2013 (consultant), 2014 (full time)

IT Administrator

iSEC Partners/NCC Group
San Francisco, CA 2010–2011

Network and Security Specialist

Granite Rock Company
Watsonville, CA 2002–2006

Computer Support Specialist

County Office of Education
San Luis Obispo, CA 2001

Lead Network Systems Technician

Aeris.Net
San Jose, CA 1999–2001

Divisional Computing Consultant

Carleton College
Northfield, MN 1995 (student job)

Computer Technical Support Specialist

Monterey Resources Group
Monterey, CA 1993–1999 (part time)

PLATFORMS

- **General Hardware Platforms:** Apple Macintosh (Intel, PPC and 68k), AMD64/x86 PC compatibles; Sun (UltraSparc, Sparc & FT-Sparc nearly esoteric fault tolerant permutations in some telco vendor gear); Commodore Amiga (68k AGA & ECS), ARM (on myriad mobile & embedded devices), MIPS (generally just in embedded systems), 6502 (so many systems once upon a time)
- **Operating Systems:** Unix (OS X, Free/PC/Open/NetBSD, Solaris/SunOS, NeXTStep; I have touched some HP/UX and Tru64, SCO, AIX, QNX and more in my days, but thankfully not directly in ages), Windows (3.x–9x/NT/2000/XP/2003/Vista/7/8/10/Server 2000,2003,2008,2012), Linux (Ubuntu, Debian, gentoo, CentOS, Redhat, various one-off-distros & patches such as Admantix running GRSec), Amiga

Workbench 1.x–3.x, MacOS (1.x–9.x), plan9, OpenVMS, DR-DOS, CP/M, MS-DOS, FreeDOS, MPE (even on the rarer 16bit HP3000s), VxWorks

- **Mobile Platforms:** iOS6-8, Android1.x–Marshmallow, WebOS, WinCE–Windows Phone7, Symbian.
- **DNS:** BIND, djbdns, MS-DNS
- **HTTPDs:** apache [and various modules], IIS5–7, nginx, lighttpd
- **Authentication:** TLS client-certificate authentication, DuoSec, Yubikey, Google Authenticator, RSA SecureID, Active Directory, RADIUS, LDAP, TACACS+, NT domains, Windows for Workgroups, Netware/IPX, I feel like WEP, WPA, WPA2(personal and Enterprise using EAP-TLS) should fit in here somehow, or at least I’ve configured them to work with some of the other aforementioned pieces.
- **Routers:** Juniper, Cisco
- **Managed Switches:** Cisco (IOS & CatOS), Foundry/Broadcom, Juniper, HP Procurve, Enterasys/Cabletron
- **Firewalls:** pf, ipfw, iptables, ebtables, Juniper/Netcreeen, Cisco PIX, Checkpoint-1 (specifically the Nokia IPSO iterations)
- **Wireless APs:** Apple, Ubiquiti, Aerohive, Cabletron/Enterasys, Cisco, DD-WRT variants, as well as DIY systems using BSD’s hostap mode on custom hardware.
- **VPNs:** OS X Server, OpenBSD’s ipsectl, OpenVPN (TLS based), Juniper/Neoteris (SSL), Cisco/Altiga (IPSec & SSL), Nokia IPSO VPN-1, FreeS/WAN, Movian, Windows IPsec.
- **NAS:** TrueNAS, FreeNAS, Isilon, Netapp, Datadomain
- **SAN:** EMC Clarion, Apple XRAID, Dell Powervault, LenovoEMC/Iomega Storecenter
- **Antispam:** OpenBSD’s spamd, SpamAssassin, Vipul’s Razor & Cloudmark, Ironport (as well as their first revision running Brightmail)
- **Fax:** Biscom Fax Server (converted SMTP to fax as well as the reverse, & MAPI support for Exchange)
- **Load Balancers:** F5, ZXTM, MS NLB
- **HTTP Filters:** St. Bernard iPrism, Websense
- **Remote Access & Terminal Servers:** OpenSSH, netcat, mosh, Apple Remote Desktop, Citrix Metaframe, MS Terminal Services 2000–2010 (aka RDP), VNC (various), X11, telnetd
- **SMTPDs:** postfix, sendmail, nullmailer, Exchange 5.5–2010, IIS, qmail
- **x86/AMD64 Virtualization:** bhyve (as well as derivations such as iohyve), VirtualBox, VMware (Server, Fusion, ESXi, Workstation), XenServer, Parallels, kvm, qemu, bochs
- **FTPDs:** Pure-FTPd, glftpd, GuildFTPd, ftp4all, IIS
- **Network Monitoring & Management:** Nagios, Ganglia, Cacti, smokeping, What’s Up Gold, Netcool, as well as vendor proprietary SNMP applications & scripts I have written with nmap & ndiff & rarely some expect
- **Configuration Management:** RANCID, puppet, ansible
- **Version Control:** fossil-scm, svn, cvs, git, rcs, mercurial, bzr
- **Databases:** LMDB, bdb, SQL (PostgreSQL, SQLite, MySQL, MS-SQL 2000 Clustered, MSDE, Sybase), IMAGE
- **Backup:** rsync, Time Machine, CommVault, Backup Exec, ntbacup, Legato Networker; as well as associated old media such as DDS, (S)DLT, DVD-RAM, CD-R, DVD-R/W & associated robotic changers
- **Full Disk Encryption:** Filevault 2, PGP WDE, Bitlocker (with & without TPMs), GELI (with UFS and even ZFS), Truecrypt, LUKS
- **Issue Tracking Systems:** fossil-scm, Trac, Redmine, Pivotal Tracker, Jira, Bugzilla, OTRS, rt
- **Network Installers:** OS X Server’s Netboot, Free/DFBSD/Ubuntu tftpd for PXE installs, Norton Ghost, Altiris, Microsoft’s RIS/WDS.
- **Languages:** (human) English (native speaker), Japanese, German, Latin; (programming) golang, C, assembly (MC680000, MOS6502, x86, AMD64, ARM, MIPS), shell (tcsh, csh, ksh, bash, etc.), python, Ruby countless other DSLs.

EDUCATION

- U.C. Santa Cruz B.A. in Language Studies focusing on Japanese, graduated 1999
- Monterey Peninsula College IGETC, completed 1996

Legal given name, as well as expanded Curriculum Vitae discretionarily available upon request (be warned, it’s around nine pages).

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