

Brian Cunnie

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Note to Recruiters

You may not submit this resume to anyone without my written permission. To request permission, you must send me an email (see above for email address); permission is granted on a case-by-case basis.

Objective

A **part-time** UNIX sysadmin position in the San Francisco Bay Area, one accessible by public transportation.

Skills

Operating Systems

Linux (Red Hat (RHEL4, RHEL5, Fedora)), FreeBSD, MS Windows (XP Pro, 2003 Server, Vista), HP-UX (10.20, 11), Solaris 8

Programming Languages

Perl(/Tk), C, C++, PHP, APL, Assembler, BASIC, Pascal

Scripting & Miscellaneous Languages

bash, ksh, sh, HTML

Network Protocols & Services

TCP/IP (static routes, subnet masks, ping, traceroute, tcpdump/ethereal/wireshark), NFS (servers, clients, automount/amd/autofs, tuning), NIS (master server, clients), DNS/bind/named (SOA, NS, A, MX, PTR, CNAME), Sendmail (8.12+, m4, domain masquerading, etc...), Apache webserver (1.3+, 2.x, virtual nameservers, ssl, cgi), pop3 (qpopper, cyrus-imapd), imap, openldap 2.x (slapd) Samba 3, squirrelmail, ssh/ssl

Backups

Arkeia, amanda, backuppc

Firewalls

Linux (iptables), Cisco (Pix 501, IOS), FreeBSD (ipnat/ipfilter)

Experience

Systems Administrator, [Arda Technologies](#), Mountain View, CA (*part-time*)
12/07 to present

Systems Administrator, [Aeluros](#), Mountain View, CA
3/02 to 12/07

Provided computer support for an IC Design Startup.

- Managed the following machines:
 - 100 linux machines (mostly 3 main cookie-cutter variations (RHEL4, RHEL5, Fedora 7)),
 - 20 Windows machines (Finance, Marketing, Sales),
 - 3 Solaris 8 (legacy license and print servers),
 - 2 HPUX machines (to program the Agilent 8k testers).
- Coded the chip-testing GUI in Perl/Tk for eval kits for our chips to the customers, modified to accommodate new product lines and new features.
- Hand-built the external mail server using a combination of cyrus-imapd, sendmail, apache, squirrelmail, and openldap. Also implemented a calendar server using apache, mysql, openldap, and php.
- Maintain DNS, YP/NIS, NFS system internally; use Samba server as internal Windows Domain Controller.
- Support the MS-Windows users (Sales, Marketing, and Finance).
- Implemented a fairly complex backup system (arkeia for linux, amanda for solaris, backuppc for windows, custom scripts using rsync for miscellaneous items).
- Configured firewalls (Cisco Pix 501 and hardened linux box mantrap w/ iptables and chroot'ed environment for ssh passthru).
- Configured two connections (Nextweb 5.8MHz wireless and AT&T T1) for redundancy with appropriate routing table entries.
- Used dreamweaver and vi and css to completely revamp the company website.
- Used vmware to reduce proliferation of machines in server room and to liberate key Windows machines from hardware dependencies.
- Troubleshoot and tune as needed. Spec & purchase equipment as needed.

Systems Administrator, [Skymoon Ventures](#), Palo Alto, CA
8/00 to 3/02

Provide computer support for a Venture Capital incubator and its various startups (e.g. Freespace Communications, AON Networks, Pixonics, Sahasra Networks, Pedestal Networks).

- Physical Layer: Cabling, patch-panels, HP ProCurve switches, toning, crimping, racking.
- Network Layer: Netopia DSL router, Cisco 2650 & 1720 routers, Subnet'ing, NAT'ing, Firewall'ing, VPN's, Apache.
- Application Layer: DNS, email (MS-Exchange & sendmail, qmail (secondary MX, alternate location)).
- Phoneswitches (Shoreline's Shoreware system)
- Get broken machines repaired.
- Spec & purchase new hardware.
- Routine web-site maintenance.

Systems Administrator, [Collab.Net](#), San Francisco, CA

7/99 to 8/00

Was one of first employees at a dot-com startup. Provided almost every type of computer-related support imaginable:

- routers (cisco 1005, etsy's freebsd-based T1 router). Implemented both bridging and routing solutions.
- firewalls (freebsd (ipfw, ipfilter), linux (ipchains))
- NAT (natd, ipnat)
- DHCP, DNS (ten-domains, five subnets, 100 hosts), email (qmail)
- Samba (workgroup server under FreeBSD 3.2), shares, printers
- NIS (FreeBSD master & slave-servers; Linux slave-servers & clients)
- Telco (punch-down, crimping, toning, pulling cable)

Built most of the company IT infrastructure from ground-up, with heavy but realistic emphasis on open-source solutions.

Systems Administrator, [Wells Fargo Bank](#), San Francisco, CA
12/98 to 7/99

Provided UNIX systems support for ~200 production UNIX machines that comprise a portion of Wells Fargo Bank's production environment. Was on a team of 14 people, was on-call once out of every 14 days, and participated in upgrades on weekends as needed.

Technical Consultant, [Hewlett Packard](#), San Francisco, CA
5/93 to 12/98

Provided HP-UX support, mostly systems administration, to HP customers. Worked on design, implementation, and high-end troubleshooting of UNIX-based systems. Designed & installed firewall, web-server for one customer (NPD). Wrote server-side perl scripts to handle web-based survey data. Delivered consulting to Visa, Bank of America Merchant Services, Wells Fargo, Perot Systems, I2 Technologies, Blue Cross of California, Great Western Bank, SIAC (New York Stock Exchange), Instinet (Brokerage House), AT&T Bell Labs, Pitney-Bowes, Nextel, Citibank, Con Edison, Brooklyn Union Gas, GE Capital, ILC Data Devices, United Nations, Voter News Service, Estee Lauder, Saks Fifth Avenue, Canon USA, and others. Work included networking (NIS, NFS, DNS, DHCP, PPP, automount, routing, sendmail, ethernet, TCP/IP, subnetting, and troubleshooting), systems administration, and programming (mostly ksh, perl, and C). Also tuned computers for optimal performance.

Systems Engineer, [IBM](#), New York, NY
12/90 to 4/93

Worked in a branch office providing RS/6000 support for Wall Street customers. Did programming (ksh, C), networking (e-net & 802.5, TCP/IP, subnetting routes, NFS, DNS, NIS). Also worked in a branch office providing technical support to NYC-area dealerships for IBM's PS/2 & RS/6000 product lines: presented to dealers & customers; demonstrated new products; provided technical assistance. Helped the branch become the top in the nation in quota achieved.

Education

[Stevens Institute of Technology](#) , June 1989

Master of Science and Engineering, Major in Telecommunications Engineering

[University of Pennsylvania](#), August 1986

Bachelor of Science and Engineering, Major in Computer Science Engineering

Honors

National Merit Scholar

Interests

Writing fiction, speaking French (lived in Paris for three years).

A Casual Description of What I Do

I am a good systems administrator. Really good. I have worked for three CTOs at three different startups, all of whom were exceptional systems administrators in their own right, and I was able to create and maintain an environment to their satisfaction—I am, if you will, a system administrator's system administrator.

I know how to do my job: I can set my own budget, work within extremely frugal constraints, and keep things running. There has been almost no downtime at the companies at which I have worked, and that's not because I'm lucky: it's because I had put thought and effort into making sure that, when things failed, we were prepared.

I see the bigger picture. I happily outsource our webhosting and email although I am quite capable of bringing them in-house. I purchased a Cisco PIX firewall even though I could have built a better one from that old laptop in the corner. I don't insist that everyone runs linux. I step in when vendors fail: I spent a week working with Marketing on the new website launch after their web designer had told them that he couldn't help them anymore.