

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

I am not looking for work; I have a job. If I were looking, it would be for a part-time UNIX sysadmin position in the San Francisco Bay Area, one accessible by public transportation.

Skills

Operating Systems

OS X, Linux (Ubuntu, Red Hat (RHEL, Fedora)), FreeBSD, MS Windows (7, Vista, XP Pro, 2003 Server, 2008 Server)

Programming Languages

Perl(/Tk), C, C++, Ruby, PHP, APL, Assembler

Scripting & Miscellaneous Languages

bash, ksh, sh, HTML

Network Protocols & Services

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

Firewalls

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

Miscellaneous

MySQL, ZFS, dd-wrt, git, svn (subversion), OpenVPN (+OATH TOTP), Google Apps, NetApp, VMWare (Fusion, vSphere)

Experience

Systems Administrator, [Pivotal Labs](#), San Francisco, CA
6/11 to present

Am on a team of System Administrators providing support to developers.

Systems Administrator, [Arda Technologies](#), Mountain View, CA
12/07 to 6/11

- Managed the following machines:
 - 35 Linux machines (mostly RHEL5, one RHEL3, two Fedora (12,13)),
 - 20 Windows machines (mostly laptops, Vista, Windows 7),
 - 3 FreeBSD machines (2 firewalls, 1 backup),
 - 1 NetApp,
 - 3 dd-wrt WiFi access points
- Maintained DNS, LDAP, NFS
- Implemented a fairly complex backup system (using a combination of perl scripts, rsync, cron, svnadmin dump, ZFS snapshots)
- Configured firewalls (FreeBSD) and VPN (OpenVPN)
- Configured redundant Internet connections (Comcast Cable and AT&T DSL)
- Hand-crafted two iterations of the corporate website (using XHTML, PHP, and CSS)
- Troubleshoot and tuned as needed. Spec'ed and purchased equipment as needed

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 (offline 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
- Maintained DNS, YP/NIS, NFS system internally; used Samba server as internal Windows Domain Controller
- 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)
- Configured redundant Internet connections (Nextweb 5.8MHz wireless and AT&T T1)
- 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 tuned as needed. Spec'ed and purchased equipment as needed

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

Provided 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)
- Troubleshoot and tuned as needed. Spec'ed and purchased equipment as needed
- Maintained websites

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. 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 comprised a portion of Wells Fargo Bank's production environment

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. 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.

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

Rugby, committer on an open source project https://github.com/pivotal/pivotal_workstation, 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.