# Miles Nordin

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## 1   Objective

I wish to find a permanent position that develops some aspect of my diverse skills as a programmer and Unix sysadmin.

## 2   Skill

| Skill | Summary / Details |
|---|---|
| Solaris | **Grizzled Solaris veteran** <br><br> • latest version used: Solaris 10, SXCE b130, OpenSolaris (ips) b130. ZFS since August 2006. <br> • exotic installers: network install on SPARC, JumpStart from Flash Archive (FLAR), LiveUpgrade UFS -> ZFS. manual recovery of machines that won't boot. diskless clients. installation of patches, third-party SVR4 packages, FlexLM licenses, OpenPROM upgrades <br> • iSCSI: initiator (with Linux IET). COMSTAR target (from Mac OS GlobalSAN initiator). <br> • development: pkgbuild with ipkg depot. NetBSD pkgsrc on Solaris. <br> • zones incl s10brand and lx brand, Xen (CentOS domU), VirtualBox |
| Linux | **Grudging convert** <br><br> • I mostly-left Linux for all of 2.4 and the first bit of 2.6. I used NetBSD and FreeBSD instead. I'm back now. <br> • Many distributions: openwrt, Gentoo, Ubuntu, CentOS. I belive in source-based distributions but think we need to push much harder on the build tools than Gentoo, to: (0) fail at beginning & report manyfailures at end. no more failing once in the middle. (1) make them more Prolog-y so they'll build twice with different USE flags to break a dependency cycle, (2) strictly avoid hidden dependencies, and maybe also measure dependencies automatically, (3) integrate with LXC and some snapshotting filesystem. <br> • Written my own packages: openwrt, gentoo, and (long ago) RPM. I also made many pkgsrc packages for NetBSD. |
| General Unix | **Sysadmin for large development campus that uses unix ubiquitously** <br><br> • BIND 9: TSIG dynamic DNS updates. IPv6. expert at diagnosing DNS failures/slowness. <br> • Postfix. Sendmail. SMTP with TLS, IPv6, spamassassin, greylisting. <br> • Apache, nginx, OpenSSL mini-CA <br> • Proficient with Cisco (IPsec VPN with certs, vrf's, BGP, OSPF) |
| Development | **Python, C, shell** <br><br> • Intermediate Python programmer, running Django inside Twisted Python. some use of pdb though I can't yet get it to work well with threads. I'm working at absorbing the larger implications of 'yeild' for unrolling recursive algorithms—I understand it's important but don't really get it yet. <br> • Expert C programmer: good at untangling others' code quickly. fix bugs in open-source projects: ISC dhcpd, screen, rpc.bootparamd, NetBSD kernel, Linux kernel, ntpd, ircd-hybrid, tinc, Quagga, OpenLDAP, Gnus. Use gdb early and often. <br> • Expert shell scripting (ksh, bash, sed, awk). :( <br> • also have written Java (long ago), e-lisp, Perl (can't remember), JavaScript (it's not that bad!) |

# 3 Experience

| Employer | Date | **Title** Job description |
|---|---|---|
| MW Moss NYC | present 2008-02-22 | **Sysadmin**<br><br>• move horrid PHP+mySQL ad-hoc apps to Django + Postgres with LDAP auth. Django admin interface (with a lot of subclassing) is the entire app (plus a Twisted container that schedules emails outside http request context).<br><br>• consolidate scattered Linux systems doing small chores to CentOS domU on OpenSolaris b130 dom0. ZFS pool for central backup.<br><br>• maintain iPlanet (Sun's MS Exchange competitor)<br><br>• Replace PIX, Netgear with all-IOS Cisco. Install certificate-based VPN's: site-to-site to warehouse, plus road warrior VPN using iPlanet passwords (RADIUS + LDAP). |
| TRANSCORE Easton, PA Manila, Philippines Dubai, U.A.E. | 2008-02-22 2000-08-28 | **Consultant**<br><br>• design, implement a multi-ring 7-site dark-fiber MAN in Dubai using Cisco 6500.<br><br>• Work with bank counterparts and Etisalat to configure B2B links for settlement over E1 and VPN links. Install redundant Internet connection with BGP.<br><br>• create reference SuSE Linux VMWare host platform. Convert physical Solaris, Windows 2000, QNX, and Neutrino reference platforms to VMWare images.<br><br>• author, document, support a QNX install tool similar to Solaris JumpStart. |
| IVY MINISTRIES | present 1995 | **founder**<br><br>• started out offering alternative email for college students frustrated with the tiny quotas and overloaded, unreliable hosts that our underfunded state university provided in 1995, and grew to about 30 users running on a 20MHz 80386 under my dorm room bed. We've given mostly-uninterrupted service since then.<br><br>• We now do ancient-Internet hosting: web, mail, DNS, IPv6 running on Solaris, NetBSD/alpha, and Linux. We have about five bro-colos at the end of an ADSL, with ALTQ HFSC running both here and at the ISP end to keep latency low enough for ssh and enforce fair link-sharing. |
| EVOLVING SYSTEMS DTC Denver, CO | 1997-08-20 1997-04-01 | **System Administrator II**<br><br>• maintain large traditional NIS domain: passwd, automounter, mail aliases. install and support development tools: IBM CMVC/Informix, Oracle, RogueWave, Purify, HP ACC, gcc. FrameMaker and FlexLM.<br><br>• I was the first in our team to advocate package management for open source software, but I picked the wrong package format (RPM).<br><br>• storage: vxvm on Solaris, optimize Veritas plex layout for Oracle/Solaris seek bandwidth. manually recover boot-blocks on LVM-rooted HPUX system without reinstalling. |
| WILLOWS SOFTWARE Saratoga, CA | 1997-02-26 1996-08-01 | **Sysadmin**<br><br>• support a build farm including SunOS 4.x, Solaris 2.x, Linux 1.2.x, HPUX 9.x, HPUX 10.x, AIX, OSF/1, Irix, Unixware, SCO, QNX, Windows and Mac OS. I set up ubiquitous access to common sccs repository using NFS, Samba, and netatalk.<br><br>• I did centralized backup of all these systems using Amanda, and ported a BSD tape robot driver to the Linux kernel. |

# 4 Education

Computer Science, *Pennsylvania State University*, 1994 - 1996.
Computer Science and MCD Biology, *University of Colorado*, 1997 - 2000.

# 5 Interests, references

Contact me for the telephone numbers of references. Other resume formats are at `http://web.Ivy.NET/carton/unix/resume/`