

Goals

Do you represent a company that cares for its employees beyond financial compensation? If so, I'm looking for a UNIX (*not Windows*) systems programming position specializing in C & C++ at your institution. I'm very detail oriented and demand perfection in all of my pursuits. I'm loyal to those who treat me with respect - I've been with my current company since 2001, and am looking to work even longer for the right company. Ideal location is either Metro Rail adjacent, within 15 miles of downtown Long Beach, or offers van-pool transportation from Long Beach.

Skills & Experience

Programming & Scripting Languages
C/C++, Perl, PHP, shell (bash), x86 ASM

Server Applications
Apache, BIND, NFS, Oracle, PostgreSQL, MySQL, IMAPD, Postfix, OpenSSH, CVS, Syncsort, Samba/CIFS, X11, Sendmail

Client & Server Platforms
11+ years total UNIX experience - Linux (kernels 2.0.x – 2.6.x), BSD, Solaris, Mac OS X (10.1.x – 10.4.x)

Network Protocols & Systems
Telecom (T1, PRI), TCP/IP, firewalls (Netfilter), Load balancing, Disk arrays & redundancy, Network security

Job History & Leadership Positions

UNIX Software Engineer – *j2 Global Communications (promotion)* Oct '01 – Present

- Maintain existing legacy applications and develop new software frameworks for proprietary inbound faxing applications on a team with 5 other software developers
 - production software maintenance and feature upgrades include
 - multi-level fault tolerance built into customer facing applications
 - inter/intra-server message queuing mechanism
 - SQL database communication for tracking of transaction states and billing information
 - secure and regular e-mail encoding, creation, and delivery
 - automated administration, fault-detection, and notification
- Research emerging technology
 - Oracle Advanced Queueing (10g)
 - Voice Over IP
 - Redundancy and fault tolerance via interprocess communication and software APIs
 - Detailed and centralized application logging via *log4cxx*
 - Carrier-grade hardware evaluation and testing
- Mentorship
 - Personally started Linux training course at j2 Global for fellow employees to bring them up to speed on the use and administration of Linux. Course lasted approximately 4 months, and would easily compare with accredited courses offered by schools. Speak in front of 15+ people, answering questions, and developing training materials
 - Most senior in group – train other group members in Linux, build techniques, source management, and best practices
- Standardized build and development processes
 - Cleaned up all project source code to allow for easier multi-platform building
 - Developed and implemented automatic build mechanism using concurrent versioning system, and package management for much faster build and installation turn around time
- Implement abstracted C++ interface to databases (Oracle, etc...) for group use
- Implement inter-process communication monitoring agents via Net-SNMP API
- Consult on new hardware and software solutions from evaluation to QA handoff
- Act as liaison between Engineering and Operations, coordinating software rollouts, maintenance procedures and documentation for new and existing software

Owner – *Sonous UNIX Consulting*

Sep '04 – Present

- Work with clients to develop and build Linux software and hardware solutions to suit project requirements
- Maintain customer service relations through strong communication skills. thorough

- Install and configure customer billing and lead tracking infrastructure for mortgage industry

Sr. UNIX Administrator & Systems Engineer – *j2 Global Communications* Oct '01 – Dec '04

- *root* privileges on over 400+ globally distributed customer-facing UNIX servers, with administration of *proprietary telecommunication software, sshd, mail, databases, and other services*
- Implement standardized server build scheme for all new servers. Engineer new server software to allow for better QOS, uptime, reliability, automation, version management
- Teach UNIX/Linux training course (approx 20 students) to company employees with topics ranging from installation to kernel recompilation and daemon configuration
- Manage/Engineer corporate Oracle database backup infrastructure, as well as other internal servers with daily archival sizes of +2 Terabytes
- Administer software repository and distribution schema capable of upgrading Linux operating systems automatically based on dependencies and requisites – effectively allowing full OS upgrades remotely

UNIX System Administrator – *Affinity Internet* Sept '00 – Oct '01

- *root* privileges on approximately 60 local customer-facing UNIX servers, with administration of *www, ftp, sshd, dns, mail, databases, and other services*
- Engineered and programmed instantly scaleable statistics processing servers.
- Reengineered & managed Mercantec E-commerce solution
- Reengineered legacy name server to self-updating server-slave architecture
- Introduced CGIs and automation scripts for support teams, which allowed system-level changes to be made without compromising security
- Managed 4-person group in charge of top-tier systemic issues

Network Administrator - *Practice Builders Advertising Agency* 1999 – 2000

- Managed 100+ user mixed protocol network environment
- Designed context-based access controlled firewall
- Administered & maintained multiple platform server/client environment (NT, MacOS, Linux)
- Implemented & oversaw company-wide data archiving scheme

Education

University of California Los Angeles B.S. – Winter '99

- Bachelor of Science in Physics
 - Focus in: Computational Analysis, Acoustics, Materials Science & Spectroscopy
- Specialization in Computer Programming & Russian