

William D. Pool
rotaechojunk@gmail.com
(818) 263-7379

I am a passionate and dedicated engineer who has been working with all things OpenSource since 1995. I'm seeking a position that would utilize my skill-sets. I have a disability, so prefer telecommuting. Rock it.

TECHNICAL EXPERTISE

Certifications:

SANS GIAC Security Essentials GOLD Certificate (GSEC)2001-2010

Reviews/Papers:

<http://lnkd.in/nhNycR>

<http://www.giac.org/certified-professional/william-pool/101220>

Operating Systems:

Oracle Solaris 2.5-2.10, 5.11.1 (including SysV package building)
Oracle Linux 6.x
Redhat Linux 7.i, ES3.0, ES4.0, 5.x, 6.x, 7.x
CentOS Linux 3.x, 4.x, 5.x, 6.x, 7.x
Mac OSX 10.3 - 10.11

Cloud Technology:

Amazon Web Services (AWS); CloudFormation, RDS, EC2, ELB, ElastiCache, IAM configurations, VPC, CodeDeploy, Route53.

Stack Services:

Application Servers: JBoss, Tomcat
Databases: MySQL 4.x, 5.x, 6.x in single, slave, and bi-directional master-master setups
Web-Servers: Apache 1.3.x, 2.x

Monitoring: Grafana, Nagios & Nagios API, Cacti

Languages: ksh, bash, ruby, php, sql, json, yaml

Version Control: git, svn

Configuration Management: ansible, puppet

Integration Services: Confluence, JIRA, PagerDuty

PROFESSIONAL EXPERIENCE

Lakana

Remote/Telecommute

DevOps Engineer

Mar 2015- Present

Telecommute DevOps engineer at Lakana a SaaS solutions provider (formerly NextStar Broadcasting) which hosts applications in Amazon Web Services (AWS). The application is deployed via AWS services such as CloudFormation to deploy system stacks (CentOS), and AWS CodeDeploy to push code to the systems. Configuration management is done via ansible using BitBucket. The systems are also placed in AWS auto-scale groups to shrink or increase in size when needed. The AWS CloudFormation application stacks are running CentOS Linux systems. The Service Layer is running Apache, Tomcat, and Jboss.

I integrated an API structure for nagios, to allow for an easy register/deregister of nodes/services when AWS services were added & removed, removing the manual portion of that task.

US Technical Services.

Huntington Beach, CA

Systems Administrator

Jan 2014 - Dec 2014

One of three UNIX/Linux systems administrators supporting HealthNet and Trader Joe's client sites. Primary duties currently involve; documenting my projects heavily, providing LAMP application support, supporting AIX 6.3 with LPARs with Oracle 10g databases, CentOS/RedHat/Oracle Linux 6 administration on bare-metal and on VMWare, Oracle 10g on AIX migration to Oracle Linux on OVM 3.3.x.

The Secret Language LLC.

North Hollywood, CA

Contractor IT Engineer

Dec 2011 - Jan 2014

My contract duties involved total absorption of the companies infrastructure. I presented the company with various migration options from their existing Linux VPS to a company managed rack in CenturyLink in Burbank. I provided on-site and remote work migrating the companies web-application from the Linux VPS shared-hosting provider to company managed hosted solution with high-availability and redundancy. I also maintained all infrastructure duties hosting the web-application. This involved presenting business cost analysis reports and various project related options to the company and starting the infrastructure design stage. After the design phase I physically implemented and maintained the network layer (switches/load-balancers), the UNIX

virtual machines (Solaris 10 containers), the MySQL databases, the nagios monitoring solution, the cacti trending solution, the JIRA issue tracking, the company wiki, the subversion repository for developers, optimized the software stack on the Solaris OS, created internal DNS servers, and provided support for site related issues with performance. In these various projects I also maintained a clear and concise documentation source for all work done while providing routine backups.

JPL NASA

Pasadena, CA

Sr. Systems Administrator

Nov 2008 - May 2012

One of two system engineers for the MGSS and MMO projects. I provided UNIX & Linux server support during NASA JUNO spacecraft launch. In addition, I architected a virtualized Apache website infrastructure running Solaris 10 Container virtual machines which was automated when new MGSS and MMO projects requested a new site for development, testing, and production branches. This also included any custom JPL specific software which was rolled out to each virtualized server upon creation. I documented all code and implementation strategies created or maintained by myself. I worked with web-site developers (PHP/Java) on resolving website performance issues, code development issues, and helped train them on various web-technologies as helped provided best practices on web-site development. I was also the resident MySQL DBA for the project that included setup of Bi-Directional Replication MySQL database servers.

Los Angeles Times latimes.com

Los Angeles, CA

Sr. Systems Engineer

Jan 2008–Nov 2008

One of three engineers at Los Angeles Times. I collaborated with other engineering team members regarding the architecture and direction of Los Angeles UNIX (Solaris) and Linux system infrastructure. I worked towards streamlining processes, standards to build a solid scaleable system architecture. I provided heavy documentation on system, application, and development processes. I worked closely with web-application developers for resolving site performance issues, and I helped introduce new ways to improve the infrastructure.

ATT YELLOWPAGES.COM

Glendale, CA

Sr. UNIX Systems Administrator

May 2007–Dec 2007

An integral member of a five administrator team overseeing the operation and availability of over 800 Linux and two dozen Solaris servers in a complex, multi-tier application stack consisting of both critical production, critical internal, and non-production systems across multiple managed hosting data centers and local server rooms.

Nations Info Corporation

Westlake Village, CA

Information Systems Architect

January 2007 - May 2007

I was the companies primary systems architect. I migrated their Linux VPS managed server to a dedicated in-house UNIX server. I created virtual machines to reduce physical server costs, maintained their network/firewall, SMTP Postfix servers, created a redundant MySQL database, and provided PHP & JAVA web-application support.

SNAP.com

Pasadena, CA

Sr. UNIX Engineer

November 2006–January 2007

I was one of two systems Administrator of 600 CentOS Linux machines using GigaBlast Search Engine software. I implemented a Sun Solaris 10 x86 ZFS NFS server, wrote custom scripts to perform various application specific tasks, and racked SuperMicro servers

Internet Brands

El Segundo, CA

Sr. UNIX Administrator

September 2005–November 2006

I was one of three systems administrator of 400 servers consisting a mix of Sun Solaris 8-10 on SPARC and x86 hardware, CentOS 4.0 Linux, Redhat ES3.0-ES4.0 Linux, and S.u.S.E. 9.x Linux. I introduced Solaris containers into the development network to consolidate physical hardware limitations, and centralize administration of similar projects. I was the technical lead on the project to introduce an IDS (Intrusion Detection System) within the external network using snort with A.C.I.D web management interface to determine outside intruders. I architected the email virus and spam prevention project using Postfix, ClamAV, and Spam Assassin in a redundant server layout in front of the corporate Exchange server. The server filtered roughly between 80K-130K messages a day. The spam layout was broken by 15 domains all with different spam rule-sets. Performed the migration of RedHat Linux to Solaris 10 x86 to reduce the paid support cost of RedHat. I was a technical lead on integrating WikiTravel.org, realestateabc.com, vacationhomes.com from their previous properties to our in-house servers. I migrated a Solaris 2.6 E450 running Lawson Financials to a V240 running Solaris 10, and also the migration of Oracle 9i on SPARC to Oracle 10G on Solaris SPARC & x86 systems. In addition, I provided application support for PHP, Tomcat, and JBoss websites.

FlipMotion

Pasadena, CA

Sr. Network Architect

February 2004–September 2005

I was the single IT engineer for the company. I provided heavy documentation on system, application, and development processes. I designed and implemented the companies infrastructure and managed development of the application. I migrated the previous application from MS SQL to MySQL and then to PostgreSQL. In addition, I performed various DBA work

from Database optimization to SQL query optimization. I implemented and maintained the security within the company with host based protection and as well as creating an IDS snort A.C.I.D server for external network analysis. I architected the companies PBX system using CentOS Linux and Astrix to develop a customer support help-line.

Peabody Energy

St. Louis, MO

Network Specialist II

June 2000–July 2002

One of three systems administrators managing 100 servers and 500 workstations around the United States running Sun Solaris 2.5.1-2.9. I architected and implemented the companies IT backup infrastructure using Legato Networker backing up 600 machines at roughly 3TB of data. In addition, I worked with Sun-Guard facilities for disaster-recovery scenarios. I performed MySQL and PostgreSQL DBA functions.

Nextgen Information Services

St. Louis, MO

UNIX Analyst

November 1999–March 2000

I wrote *ksh* scripts that used SQL to do corrections to corrupt data and perform modifications of account records in the *Oracle* database. In such work, I implemented automation of the modification process to speed the process and lowered the time to resolve the account problems. I performed logging and notification of *ksh* and *sh* scripts of account records involved notifying the proper persons via E-mail and pager. I performed porting of shell scripts for the SNS Application from *Sun Solaris 2.5.1* on an *Enterprise 10K* and *E450* to a new acquired *IBM AIX* machine.

Primary Networks

St. Louis, MO

UNIX Systems Administrator

February 1999–November 1999

One of three administrators of various server architectures including Sun Solaris 2.5.1, S.u.S.E Linux 5.4, SGI IRIX, NetBSDi, and FreeBSD. I performed migration of various platform (Linux/FreeBSD/OpenBSD/NetBSD/Solaris) user bases from multiple acquisitions and integrated into the companies IT infrastructure.

Lewis & Clark Career Center

St. Charles, MO

UNIX Systems Administrator

1997–November 1999

I was a student who was in a course at the vocation school for electrical engineering. I had worked with Solaris and Linux at home personally since fifteen (1995). The vocational school was looking to get online and provide internet to all their classmates. As the quotes given were expensive they had no idea how to proceed. I offered my services as a student for free which appealed to them. I custom built a Solaris 2.6 machine running ipfilter running NAT to all the clients over a ISDN line. I later setup the school's website from this server running apache.

Apprentice @ FoobarLabs.net

St. Charles, MO

Script Monkey

1995–1996

I made connections on IRC at a library. One such connection was an IT Admin at Scott AFB in Illinois. I was mentored in Solaris 2.5.1, Slackware Linux, *NIX CLI, ksh scripting, and building my own Linux & Solaris x86 server as a web-server using Apache.