**CLAUDE A. SEYMOUR**

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**SUMMARY**

Experienced Unix/Linux systems and software professional with extensive experiences in systems

engineering, systems administration, software development and project/people management. A

results oriented person geared towards leading software/systems engineering roles.

**SKILLS**

**Operating Systems:** Solaris, Red Hat Linux, Fedora, Centos, BSD, HP-UX, Windows

**Networking:** TCP/IP, SNMP, Telnet, DHCP, DNS/BIND, Routers and Switches

**Languages:** C, Java, Bash, Power Shell, JavaScript, Perl, Python, PHP

**Repositories:** SVN, GIT, CVS, Clearcase

**Databases:** MySQL, Vertica, Postgres, SQL, MongoDB

**Webserver:** Apache

**Cloud:** Amazon EC2

**Other Resources:** LDAP, Puppet

**EXPERIENCE**

**11/2014-Present Equinix, San Jose, CA**

**Contract Dev Ops Consultant**

Developing Perl and Python based tools to collect and manage SNMP data in support of the NOC.

Using Scalebase and MySQL for database management, JSON, HTML, XML, Flask web services,

Centos and other resources.

Setup and implement MySQL master/master and master/slave replication across geographical regions.

Developed program to monitor and manage the replicating servers, providing the ability to update

configuration and monitoring parameters while systems are operational.

Evaluation and vendor selection of IPAM (IP Address Management ) tools. Looking mainly at

V4 addressing.

Worked with Puppet in managing system software and user management, LDAP for login

authentication, sockets programming, switch configuration files processing and data analysis,

iptables, VMWare in building new CentOS virtual systems and so on.

Serving as systems architect.

**5/2014-11/2014 CADS, Fremont, CA**

**Application Development Consultant**

Worked on product definition of network operations tools. Application involved data collection,

SNMP MIBs, Python, JSON, GIT, Flask, Puppet and other open source tools.

Did some implementation work using Python and Flask web services.

**11/2013-4/2014 Adchemy Inc., Foster City, CA**

**Contract Web Operations Consultant**

Developed applications for crawling and scraping data from commercial web sites. Tools used were

Python, Scrapy.py, requests.py, Scrapinghub.com, MongoDB, Xpath, web browsers. Some data formats

employed were JSON, HTML and XML. Data analysis using PyMongo. DB performance comparison

between MySQL and MongoDB.

Worked as an interface between Engineering and Product Management in defining requirements.

Documented work flow in on-boarding new customers and the framework for a total system

automation

**10/2012-6/2013 Cisco Systems, San Jose, CA**

**Contract Automation Consultant**

Developed RESTFull applications for posting, receiving and processing data in XML format.Resources

used include Python, Bash, PyXB, XML, XML Schema, urllib,urlliblxml, elementpath, requests.py,

xml.dom.minidom, MySQL, SQLite, Apache, Linux iptables, TCP/IP, Linux and Windows OS

installations, GCC compilations on Windows and Linux, Bottle and Flask web services

Gathered user and systems requirements, created design documents, developed data structures,

engaged in the search and selection of technologies to use, gave presentations and demos

**5/2009-9/2012 Tableau Software, Redwood City, CA**

**Contract DevOps Automation Consultant**

Worked as the principal architect and software developer of tools in the Network Operations

environment. Performed Sockets programming in software deployment automation, SQL programming

under Postgres, MySQL, Vertica, web programming to capture and process data posted from remote

locations.

Resources used include MySQL, Postgres, Vertica, Python, Perl, PHP, SVN, Git, TCP/IP, SiteScope,

Munin, Nagios, Http logs, Cisco switches, Linux/MAC/Windows desktops, Linux/Windows servers.

Engaged in systems administration activities including Linux and Windows servers installation and

configuration. Installed software packages, built and deployed Linux RPMs and Windows distribution

using Python's Py2exe.

Performed some management duties like planning, work assignments, conducting new hire interviews

and employee performance evaluations

**5/2008-3/2009 LucidEra, Redwood City, CA**

**Contract DevOps Automation Consultant**

IT/Operations automation using Python, Bash, Perl, MySQL under Linux. Applications included

Apache webserver management and automation, mod\_jk Apache load balancing, hardware discovery

using dmidecode, database queries and management data presentation, user security.

Systems administration duties included MySQL installation and performance tuning, MySQL

backups/restores, building and deploying Linux systems, monitoring using SiteScope, Lucidera

Application upgrades, multi-tenant hosting using Xen and other systems administration tasks.

**2/2008-3/2008 Pickspal, Mountain View, CA**

**Contract MySQL/Linux Consultant**

Installed, setup and deployed software packages such as MySQL, SVN, Apache, Postfix, Procmail,

Spamassassin, Courier POP/IMAP. Setup MySQL replication with load balancers. MySQL data loads,

backups, restores and data transformation via SQL. Network security, IP addressing, DNS

administration and Linux installations.

Management functions like interfacing with vendors in product selection and pricing

**9/2007-10/2007 Gaia Online, San Jose, CA**

**Contract Linux Consultant**

Engaged in Research and development activities. Investigated technologies like virtualization (Xen),

ISCSI software module, RAID data array, server (Supermicro) reconstruction, Git, MySQL replication,

Nagios and implemented solutions using them. Modified and wrote Nagios plugins. Scripting

languages used were Bash and Perl. Documented work, reported and presented findings and solutions.

**3/2006-9/2007 Cisco Inc., San Jose, CA**

**Contract Linux Software/Systems Consultant, Infrastructure Group**

Provided software to enhance Linux initrd capability, data structures and algorithms to handle VOIP

data on HP and IPM servers, network configuration routines relating to DNS and IP addressing, RPM

specfiles and supporting scripts and programs, etc. Engaged in integration of software from multiple

vendors for systems deployment. Did extensive application software testing and debugging on IBM and

HP 1U and 2U servers and Red Hat Linux desktops. Resources used are Linux desktops, servers, C,

Bash, Python, Xpath, XML, Clearcase, Cisco CSA, TCP/IP, DNS

**3/2002-12/2005 Infoblox Inc., San Jose, CA**

**Contract DNS Software Systems Consultant**

Developed and implemented software for DNS appliances running Bind 9. Other tasks performed on

this assignment included bug fixing, Build and Release automation, QA automation and testing, QA

environment setup and Red Hat Linux installations. Resources used on this project were GNU

C, Java, Sockets, Bash, Apache, XML, Perl, CVS and Berkeley DB

Trained and mentored off shore employees. Remote management of employees. Did performance

evaluations. Management meetings and reporting on project status and staffing.

**2001-3/2002 Philips Semiconductors, Sunnyvale, CA**

**Contract Apollo Systems Consultant, Digital Engineering**

Reconstructed and Managed a network of 25 HP Apollo computers running BSD Unix in support of

Mentor Graphics design and simulation software. Modified the Token Ring network topology by

adding devices and removing obsolete ones. Implemented data communication to network of Sun

machines. Worked on data communication issues and daily problems.

**2000-2001 COVAD Communications, San Jose, CA**

**Contract Unix Consultant, IT Department**

Configured large numbers of Sun desktops for deployment around the Covad network. Installed

Solaris, RedHat OS, Microsoft NT, HP OpenView and other network management packages.

Setup RAID using DiskSuite, Jumpstart, disk imaging using Vanguard Imaging. Did DNS/NIS, Rsync

configuration and maintenance.

Engaged in employee search and selection. Worked with hardware and software vendors in product

analysis and selection. Managed projects and people. Employee performance reviews

**1997-2000 JFK & Associates, Inc., Pleasanton**

**Contract Unix Consultant and Database Developer**

Database design and programming using Informatica PowerMart 4.6.1. Served as a consultant and

developer using Microsoft SQL 7.0 under Windows NT/98. Developed tools for analyzing reports

using languages like C/C++, Perl and PL/SQL. Worked on a few other projects including and

enhanced Traceroute application for a specific client

**1992-1997 CITC, Chevron Corp., San Ramon, CA**

**Contract Unix Software Consultant, Network Management Systems**

Designed and developed statistical analysis systems, data collection systems, IP management systems,

network discovery and monitoring systems for Chevron. Resources used to accomplish the tasks

included HP and Sun workstations, Cisco routers, MIBs, SNMP, TCP/IP, UDP data-grams, Oracle

database systems, HP OpenView, C and Shell scripts.

Performed systems management of Sun systems running Solaris. Did remote administration, OS

installations and tuning, DNS administration, backups/restores. Also worked with hubs, switches and

routers.

Worked closely with hardware and software vendors in product selection and bug reporting.

**EDUCATION**

**BS/MBA**, Business Administration, Southern Illinois University, Edwardsville, Illinois

**MS**, Computer Science, University of Missouri-Rolla