

Robert Lawrence “Larry” Breyer

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Education:

San Diego State University, San Diego, CA
Bachelor of Science in Electrical Engineering

Technical Training: Oracle, Cisco, and Sun Microsystems

Technical Summary:

Systems Administrator

- System administration on Unix (Solaris, HP-UX, IRIX, AIX).
- System administration on Linux (Redhat, Oracle, Ubuntu).
- System Administration on Windows Server(Active Directory).
- Install, upgrade, patch, profile and trouble-shoot.
- NAS/SAN on NetApp and Sun Storage. Veritas Volume Manager.
- Load balancing with F5, Cisco Local Director and Sun Grid Engine.
- Virtualization with KVM, VMware vSphere , Oracle VirtualBox and Solaris.
- Software Configuration Management: RPM, APT, CVS, SVN, Git, Perforce.
- Rapid deployment: jumpstart, PXE kickstart, cloning, AWS, OpenStack.
- TCP/IP Network analysis: snoop, tcpdump, arpwat.
- Directory services: NIS, DNS, DHCP, LDAP, Active Directory, Vintela(VAS).
- Network storage: NAS, SAN, iSCSI, NFS, SMB, CIFS, Samba.
- Email and SMS, SMTP, Sendmail, Postfix.
- Security: Firewalls, NAT, SSH, SecuriD, Radius, PGP, SSL, iptables, Venafi.
- Web Services: Apache, Tomcat, Java, PHP.
- Monitor: syslog, Splunk, Nagios, Cacti, Munin, Spectrum, SNMP, RDI.

Database Administrator

- Extensive experience in Oracle, MySQL, PostgreSQL, and QuickBase.
- Installation and upgrade to Oracle 10g and 11g.
- Implement RMAN database backup and replication.
- Create SQL*Plus and PL/SQL scripts and stored procedures.
- Create, backup, monitor, enhance and tune databases.
- Implement raw storage and ASM.
- Implement OLTP, archive logging, RMAN, TNS Listener.
- Implement RAC database clusters (CRS).
- Program database applications with Perl DBI/DBD, JDBC, and ODBC.
- Create Views, Triggers, Synonyms, Functions, Procedures and Packages.

Systems Engineer

- Excellent communications, presentation and documentation skills.
- Excellent engineering skills in cost analysis, estimation, and justification.
- Manage development, testing, and deployment (DEVOPS).
- Enforce software standards and practices (POSIX, ISO 9001, ITIL, RUP)
- Technical expert for agile programmers, QA testers, system administrators.
- Programming: Bash, Perl, C/C++/Objective-C, and Cuda.
- Enforce Software Configuration Management best practices.
- Customize software development, test automation, and deployment tools.
- Technical documentation (Adobe, Microsoft, Web based).

Experience:

January 2017
To Present

Multiple Clients San Diego, CA

Linux Systems Administrator

Leverage my existing skills to:

- Support/upgrade/patch Red Hat and Ubuntu OS.
- Develop automation tools in Shell, Perl, and Python.
- Support/maintain/update BioTech applications in C/C++.
- Supported past clients on part time/as needed basis.

February 2014
To January 2017

Broadcom USA (San Diego, Irvine, San Jose, Raleigh)

Linux Systems Analyst

Leverage my existing skills to:

- Supported Linux OS and engineering applications.
- Upgraded Dell servers, RHEL 5 to 6, applications.
- Created automation tools for install, customize, and upgrade.
- Developed regression tests using C/C++, Perl, and Cadence SKILL.
- Trained employees in acceptance testing and installation methods.
- Supported full IC design stack: Cadence, IC Manage, Perforce, LSF.

August 2013
To February 2014

Illumina San Diego, CA

Linux Systems Engineer

- Ported Illumina AWS based application, BaseSpace, to OpenStack.
- Provide full range of system engineering including system development.
- Primary tools: CentOS, make, rpmbuild, yum, mrepo, git, MySQL.
- Secondary tools: Nagios, Munin, Puppet, Clonezilla, Laravel, Jenkins
- Languages: C/C++, Bash, Perl, PHP, Javascript, Python, Mono.
- Documentation: VersionOne, LucidChart, Box, EverNote, Jira

September 2012
To July 2013

Intuit San Diego, CA

Server Systems Engineer

- Provide technical expertise in datacenter relocation.
- Provide technical expertise in the following areas:
 - Redhat Linux Operating System.
 - Windows Server Operating System.
 - Solaris Operating System.
 - Automation: QuickBase API, Perl, Bash, HTML
 - Oracle Database Administration.
 - ESX VMware.
 - NetApp and SAN storage management.
 - Security best practices.
 - HP Bladesystem cluster administration.
 - Cloud Computing, Private and Public (AWS EC2).

May 2012
To August 2012

SAIC San Diego, CA

Linux Systems Engineer

- Provide technical expertise in datacenter relocation.
- Provide technical expertise in the following areas:
 - Redhat Linux Operating System.
 - HP-UX Operating System.
 - Solaris Operating System.
 - Scripting/programming in Perl, Bash/C, C++, Java
 - Oracle Database Administration.
 - ESX VMware.
 - NetApp and SAN storage management.
 - Security best practices.

May 2011
To May 2012

TeleCommunication Systems, Inc. Aliso Viejo, CA

Server Systems Engineer

- Provide technical expertise in development, testing, and deployment of mobile navigation applications.
- Provide technical expertise in C/C++, Java, Perl, and Bash shell.
- Enforce standards (ISO 9001, TL 9000, ITIL, RUP).
- Support 200 developers in US, Russia, China, and India.
- Support Operations 160 production and 200 development servers.
- Support Quality Assurance 100 testers.
- Provide technical expertise in the following areas:
 - Redhat Linux Operating System
 - Redhat Package Management (RPM)
 - Oracle, MySQL, PostgreSQL administration
 - SCM with Perforce and GIT.
 - Apache web services: HTTP, Tomcat, Lucene, Solr

August 2008
To May 2011

Isis Pharmaceuticals Carlsbad, CA

Bioinformatics System Administrator

- Provide all Unix/Linux system and database administration support.
- Improved performance with SSDs, GPUs, and link aggregation.
- Support 200 researchers and developers.
- 4 Sun Solaris servers, 2 SANs (10 TB), 1 NAS (16 TB).
- 7 web servers running Apache/Tomcat on HP/Redhat.
- 3 computational servers for bowtie, tophat, and galaxy on HP/Redhat.
- Implemented 20 machine Sun Grid Engine cluster on HP/Redhat.
- Implemented Oracle 10g Grid on a 2 node RAC for a 3 TB DB on 9 TB SAN.
- Provide Oracle, MySQL, and SQL Server admin and programming support.
- Extensive programming in Perl, C (cuda) and Java.
- Implemented conversion from 32 to 64-bit Intel.
- Implemented local UCSC Genomic Browser and UofM Galaxy web servers.
- Provided access to NCBI's Blast Genbank Entrez PubMed RefSeq databases.
- Developed pharmacokinetics predictive models.
- Implemented user interfaces for several sequence alignment tools.

July 2007
To July 2008

Salk Institute La Jolla, CA

Unix System Administrator

- Providing full range of support for 1200 users.
- Includes, backups, network, accounts, security, and helpdesk.
- 15 servers running Solaris (Unix) on Sun.
- 45 servers running various flavors of Linux on Dell.
- 1100 desktop systems running MacOSX and Windows.
- Support a wide range of applications including Apache, MySQL, Oracle, Veritas NetBackup, Nagios, Cacti, Highline(Payroll), SunGard (Accounting), CFEngine, SciQuest (Purchasing), and many more.
- Extensive scripting in Perl, Bash, PHP, and others.
- Project planning, training and documentation.

October 2004
To July 2007

UCSD La Jolla, CA

Unix System Administrator

- Supported the Computer Science & Engineering dept.
- Providing full range of support on Unix, Linux, and Windows servers.
- Includes, backups, network, accounts, security, and helpdesk.
- 200 servers running Solaris or HP-UX.
- 500 servers running various flavors of Linux (Dell & HP).
- 350 desktop systems running MacOSX and Windows.
- 20 NetApp network storage systems.
- Support a wide range of applications including Apache, MySQL, & Oracle.
- Extensive scripting in Perl, Bash, PHP, and others.
- Project planning, training and documentation.

October 1986
To Present

Independent Contractor

Bay Area, Los Angeles, Orange, and San Diego Counties

Solaris/Linux Systems Administrator

- Clients included Qualcomm, Solar Turbines, Kaiser Permanente
- Clients include Electronic Data Systems, General Dynamics
- Clients included Lockheed Martin, Hughes Aerospace, RAND
- Clients included Apple Computer, Sun Microsystems, SGI, Hotmail
- Clients included Montgomery Securities and Andersen Consulting
- Providing full range of support for 100 – 1000+ users.
- Includes backups, network, accounts, security, and helpdesk.
- Department servers running Solaris, Linux, or Windows.
- Desktop systems running Windows including XP, Vista, 7.
- Provided support setting up HP, Dell, IBM, and Sun servers, clusters, and workstations.
- Installed and configured commercial and open source applications.

October 1983
To October 1986

General Dynamics

San Diego

DEC System Programmer

- Developed mission planning HW/SW for Tomahawk cruise missile

October 1980
To October 1983

SAIC

Augsburg, Germany

Univac System Programmer

- Maintained surveillance HW/SW at US Army Field Station, Augsburg

October 1976
To October 1980

Naval Undersea Center

San Diego

Univac System Programmer

- Developed surveillance HW/SW for US attack submarines

October 1972
To October 1976

Naval Undersea Center

San Diego

Univac System Programmer Student Intern

- Developed HW/SW for US Navy ASROC system

October 1968
To October 1972

US Navy

USS Tautog (SSN-639)

Electronics Technician

- Communications and Fire Control technician
- Supported Vietnam field of operation.