

RICHARD D. LOE

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QUALIFICATIONS

Twenty-seven years of experience as system administrator
Thirty-six years of programming experience.

EXPERIENCE

Web Servers/Search Engines: Apache, NCSA, Harvest, Excite, IIS, SSL

Networking: FTP, SSH, Telnet, TCP/IP, DNS, Firewalls, Wireless, System/Network Security, SMTP, POP

Languages: PHP, HTML, ActionScript, "Processing", Visual Basic, PDF, PERL, JavaScript, JAVA, SQL, C, C++, X-Windows Libraries, AWK, Clipper, Pascal, Assembly, BASIC, TCL/TK

Hardware: PCs, Sun Servers and Workstations, DEC 5000, HP 3000, IBM 4381, RAID Technologies, Microprocessor Technologies

Database: MySQL, PostgreSQL, Oracle, Ingres, dBase, phpMyAdmin

Software: Adobe Photoshop, Flash, VI, Formtool, Performance Awareness/Performix User Emulation Empower/X, preVue-X, DreamWeaver, Microsoft Products, Mozilla Products

Operating Systems: Linux/Unix, Ubuntu, Sun Solaris 8, 9, 10, 2.5.1/2.6, SunOS 4.1.3, Microsoft Operating Systems (DOS and newer)

FUNCTIONAL EXPERIENCE

Self-Employment Work

WEB SITE DEVELOPER / PROGRAMMER. 10/1995 to present. Design and develop websites and web applications using HTML, MySQL, PostgreSQL, PHP, PERL, FLASH, JavaScript, WordPress, ZenCart, osCommerce. Build and maintain web, database, and firewall servers. Provide user documentation and assistance.

INTERNET ASSESSOR. 11/2009 to 10/2012. Sub-contracted to Google via Lionbridge, Inc. to provide support to help quality, authoritativeness, and relevance of SE results.

PROGRAMMER, 10/1998 to 2005. Defense Automated Printer Service (DAPS), Saufley Field. Developed database system for printing manuals on-demand. The system assisted in generating revenue for the organization, and similar organizations opted to use it due its benefits. Developed applications to create raw Adobe PDF files.

Jacobs Sverdrup International, Hurlburt Field, Florida, 10/1998 to 01/2006

SENIOR PROGRAMMER / SYSTEM ADMINISTRATOR, 01/2001 to 01/2006. Responsible for Hurlburt Field, FL web servers and associated database servers. Developed enterprise wide applications using PHP, PostgreSQL, MySQL, MSSQL, Java, and JavaScript.

SENIOR SYSTEM ADMINISTRATOR, 10/1998 to 01/2001. Provide complete administration support of the Global Command and Control System (GCCS) for the Headquarters Air Force Special Operations Command (AFSOC). Maintain and support array of Sun Ultra 60, Sparc 20, and Sun 450 servers operating Solaris 2.5.1 and Network File System (NFS) / Network Information Service (NIS). Configure and maintain GCCS user workstations. Team leader for 5 system administrators, providing training and support for junior personnel.

Engineering/Documentation Systems Inc. (EDSI), Sierra Vista, Arizona, 1/91 to 10/98

SYSTEMS ADMINISTRATOR. Maintained five websites on Sun Sparc 20 servers with Solaris 2.5.1. Systems used Netscape Enterprise Web Server 3.0, Excite search engine, Harvest search engine, Netscape Certificate/Secure server, and Netscape Newsgroup server.

Designed and developed WWW forms, programs, and databases using PERL 5.0. Created and implemented questionnaires and forms to capture user opinions and information via the Internet for the Operational Testing of GCCS at the U.S. Army Joint Interoperability Test Center (JITC). Developed data management systems and data analysis tools using PERL 5.0 CGI scripts and HTML.

Satisfied operational and system stimulation testing requirements for the Reserve Component Automation System (RCAS) operating on a group of 20 DEC 5000 systems. Populated the RCAS system with simulated users to maximum capacity and captured necessary system performance metrics using Performance Awareness and Performix user emulation software. Developed UNIX C and X-Windows programs.

Provided system analysis, design and testing support for development of Microcomputer Message Analysis System (MicroMAS) on an INTEL 486 Personal Computer running SCO UNIX. Designed software documentation which complied with Government Standards.

DynCorp, Fort Huachuca, Arizona, 3/87 to 10/90

SYSTEMS ADMINISTRATOR. Systems Administrator for a Hewlett Packard mainframe (HP 3000) with a 75 (+) user base. Responsible for all facets of system which included: data base administrator, system performance, network administrator, software and hardware installation, trouble calls, system manager. Substantially increased system usage by procuring additional customers. Designed and developed custom software applications. Skillfully implemented such software techniques as: structured design, table structures, program design, space requirements, indexing, information organization, data types, statistics, and data reporting.

PROFESSIONAL TRAINING

Defense Information Systems Agency (DISA) System Administration Certification, 1998
Audre Training (Vector/Character Recognition), Audre Incorporated, 1994; 40 hours
Programming the X-Windows System, Integrated Computer Solutions, Inc., 1993; 40 hours
Empower/X System Training (RTE Technology), Performix, Inc., 1992; 24 hours
preVue-X System Training (RTE Technology), Performance Awareness, Inc., 1992; 24 hours
System Management, Hewlett Packard Customer Education, 1989; 40 hours
System Programming, Hewlett Packard Customer Education, 1988; 40 hours

EDUCATION

Rochester Institute of Technology - 1993 to 1994
Cochise Community College - 1986 to 1991

OTHER

Created and sold computer game to "Compute!" magazine at the age of 12.