

James D. Keeline

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Employment:

Senior Web Developer for the internal web site for NextWave Broadband (September 2006-date).

Developed the intranet from the ground up in a LAMP environment with the Drupal 4.7 CMS to support the engineers developing WiMax chips. Wrote numerous custom modules as well as managing the Drupal system. Used Perforce version control system and other standard technologies. Advised engineering teams about preferred LAMP software to use in our MaxPort product. Received training to be an ISO-9000:2001 auditor and supported that effort in the intranet. Recorded engineering lectures and placed edited versions on intranet in FLV format.

System Administrator and Senior Web Developer for Translation Project at Convera.com (January 2006-September 2006).

Managed five Fedora Core 3 & 4 servers with PHP 5, MySQL 4.1/5.0, and Apache 2.0 in a secure environment. Built a web interface for international contractors to translate specific terms to support Convera's Excalibur semantic search engine. Responsible for configuration and maintenance, in addition to developing Bash shell scripts and cron jobs, and developing, implementing, and documenting security and backup plans to ensure reliable operations for our web clients. Was the team's lead interface to the company's IT department. Designed better ways to manage our data, including data export systems to share with the Excalibur ontology team, which were much faster than methods used previously.

System Administrator and Web Developer for AccessSanDiego.com and ProspectUniverse.com (May-September 2005).

Administered three Dell PowerEdge servers with Red Hat Enterprise Linux ES3, including custom compilations of Apache 2, PHP 5, and MySQL 4.1. Created numerous administration tools, including Bash shell scripts and cron jobs for backup, maintenance, automated downloads, and other tasks as needed. Fixed existing programs and created new programs to add new branches and functionality for a real estate search portal and client tracking system, including systems to detect the search engine and terms used to find the site, implementing SEO strategies, tracking user activity throughout the site, creating management and reporting systems, implementing content management system features, and Google Map applications for locating properties and planning home tours.

Instructor for San Diego State University (2002-2003).

Taught "Introduction to Linux" unit of the Linux Cluster Technology program through the HTEC and Defense Conversion programs of the SDSU Foundation.

Instructor for San Diego Community College District (June 2001-June 2006). Continuing Education (aka Centers for Education & Technology) division for short-term web technology courses.

- * Web Server Installation and Maintenance (Apache)
- * Web Programming with PHP & MySQL
- * Introduction to Linux
- * Linux Security
- * Linux Script Programming (Bash shell)
- * Linux Cluster Technology (Beowulf, OpenMosix)
- * Linux for the Small Business (server and desktop)
- * Linux for the Desktop

- * Web Design for Wireless Devices
- * Cascading Style Sheets
- * Javascript
- * Dynamic HTML
- * Google Maps
- * TCP/IP
- * Perl

Manager of Prince and the Pauper Collectible Children's Books (1988-2000).

Managed the largest book store in the U.S. specializing exclusively in out-of-print and collectible children's books remembered by adults. Responsible for all computer work (including their previous web site) and research-oriented activities. Wrote many journal and magazine articles in the field of series books (list available).

Intern at Teledyne Ryan Electronics (1987-1988).

Used CAD programs to design programmable logic devices to replace large circuit boards with a single custom integrated circuit for radar devices.

Programmer for Dr. Harold M. Bull, Associate Professor at SDSU Physics Department (1987).

Wrote computer programs in compiled BASIC on IBM PCs to analyze digital chromatography.

Education and Certifications:

Brain Bench Certifications (public transcript #1696915) (2006).

Linux Administration (General, Red Hat); Apache Administration (1.3, 2.0); MySQL (3.23); PHP (4); HTML (3.2); MacOS X; Bash Shell Scripting; Information Technology Terminology.

Linux Cluster Technology (2001-2002).

Two month, 32-hour certificate program offered by San Diego State University's HTEC program.

Web Server Maintenance and Security Certificate (2000-2001).

Completed an 875-hour, 9-month Web Server Maintenance and Security certificate program which covered the Linux operating system, Apache web server, Secure Socket Layers, BIND DNS server, Sendmail SMTP server, Bash, Perl, PHP, and MySQL and Oracle databases. San Diego Community College District Centers of Education and Technology.

Work towards Bachelor's Degree in Physics (1985-1991).

Emphasis in Electronic Instrumentation at San Diego State University.

System Administration:

Administered a variety of Linux systems, including CentOS 5, Red Hat 7-9, Red Hat Enterprise Linux ES 3, Fedora Core 1-5, and MacOS X. Currently working with CentOS 5 at NextWave.com. Previously managed five Fedora Core 4 systems for Convera.com in Carlsbad in a secure and redundant environment to support PHP 5 and MySQL 4.1/5.0 web applications. Have also recently worked with SuSE, Knoppix, Debian, and Ubuntu distributions as well as Linux with OpenMosix for cluster applications.

Programming and Web Design:

Strong skills in web development with PHP, Perl, Javascript, CSS (Cascading Style Sheets), DHTML (Dynamic HTML), Google Maps, iMovie, etc. Competent with Adobe Dreamweaver, Fireworks, Flash, Photoshop, InDesign, Apple FileMaker, most Microsoft Office products, Linux, Macintosh, DOS, and Windows operating systems.

Developed several database-driven web sites using PHP and MySQL for personal use and organizations such as the San Diego Booksellers Association (SDBooks.org), among others.

References Available Upon Request. For a longer, more complete resume with info on my writing and other positions, please see my website: <http://www.keeline.com/resume>