

Clinton R. Hudson

2768 Chad Drive, Eugene, OR 97408 rob@cogit8.org Home: 541.434.6244

PERSONAL SUMMARY

Dedicated and conscientious professional. Curious and inventive mind with hunger for knowledge. Skilled and intelligent problem solver. Excellent work ethic and job loyalty. Highly self-motivated. Effective collaborator and team player.

TECHNICAL EXPERIENCE

Platforms GNU/Linux (mainly Debian, Gentoo, and RedHat), FreeBSD, Windows (all supported versions)
Languages PHP 3.x / 4.x / 5.x, HTML/XHTML/CSS, Python, Java, Unix Shell Scripting in bash, JavaScript, SQL, C/C++/C#, Perl, Visual Basic for Applications
Tools Apache, CVS, MySQL and APIs, Nullsoft Scriptable Install System (NSIS), Postfix MTA, PostgreSQL, Samba, SASL, SQLite, SSH, SSL, Subversion, TLS
Certifications Junior Level Linux System Administration (LPIC-1) Certification, August 2005
Core MySQL 4.0 Certification, Oct 2003

EDUCATION

Florida State University, Bachelor of Science in Biochemistry with a minor in Mathematics, August 1996.
University of Oregon, Bachelor of Computer Science -- in progress, current GPA 4.08.

PROFESSIONAL EXPERIENCE

Senior Programmer / Technical Lead

Mar 2002 – Present

Oregon Center for Applied Science, Eugene, OR -- <http://www.orcasinc.com>

Programming lead developing multimedia health-based web applications that apply scientific research. Designate and oversee use of in-house technologies. Develop and maintain key components of custom content management system (CMS) ensuring quality and stability. Develop and maintain installation and 3rd party application detection scripts. Continually strive to improve products via constant research and testing of new approaches and technologies. Programming mentor to junior programmers.

Key Contributions:

- ◆ Investigated and initiated use of Nullsoft Scriptable Install System, and developed installation scripts and 3rd party application detection resulting in reduced time needed to develop CD installers.
- ◆ Investigated and initiated use of Microweb LiveCD allowing our products to run directly from CD and enabling our products to be “web enabled” using local media files with web based products for bandwidth limited customers.
- ◆ Advocated for use of web standards and cleaner designs resulting in more flexible, standards compliant websites with easier branding, maintenance, and reuse, and reduced total outbound bandwidth.

Web Application Developer / System Administrator

Jan 2002 – Present

Contractor, Self Employed, Eugene, OR

Consultant providing advice and programming to various companies in Oregon.

Projects included:

- ◆ Inventory system utilizing database backend with web-based administration, search facilities, and image upload.
- ◆ Technical advisor updating website to be more search engine friendly: outlining various Apache specific techniques to make for search engine friendly URLs.
- ◆ Design, implement, and maintain a member only “leads” website with member profiles, cross-member communication, calendaring, newsletter generation and email automation, and full administrative panel.
- ◆ Design, implement, and maintain an automated data import script and PHP/HTML web front-end for a nation-wide trucking company. Perl script parsed gas purchase data files uploaded daily and inserted into a MySQL database. Web front-end used for searching, filtering, and printing gas purchase records using PHP.
- ◆ Build and maintain a Gentoo Linux web and mail server with SMP and RAID-1, Apache2 with SSL, PHP with MySQL and opcode caching support, Postfix MTA with SSL/TLS and SASL authentication, Subversion, SFTP/SCP/SSH.

Web Application Developer / System Administrator

Nov 1999 – Jan 2002

Internet Marketing Services, Inc., Eugene, OR

Lead programmer developing dynamic data-driven websites, including inventory management systems, shopping carts, and community oriented websites. Install and maintain core technologies on the web server, including Apache, MySQL, Perl, PHP, PGP, SSL, and security updates to the FreeBSD operating system.

Key Contributions:

- ◆ Developed an object oriented, modular shopping cart engine which reduced time to set up e-commerce websites.
- ◆ Developed an order tracking system as a shopping cart value add-on.
- ◆ Developed a UPS module to query UPS tools for correct addresses, shipping costs, and shipment tracking.
- ◆ Developed an authentication module used wherever password protected areas were required.