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Daniel Church

Profile

Accomplished software developer with 10+ years of experience in the field including designing and implementing SQL databases, software testing and patching, web security assessments and UNIX system administration.

Areas of expertise include:

Software Development (Perl, Shell, SQL, PHP, JavaScript, HTML, CSS, XML, XSLT, Java, AJAX)

UNIX System Administration and Security

SQL Database Design and Implementation

Graphic Design

Education

Sep, 2003 — Dec, 2007	UW River Falls Undergraduate Computer Science & Information Systems
Jan, 2010 — Present	Dunwoody Technical Undergraduate CWEB

Work Experience

Aug, 2009 — Mar, 2010	Custom Exteriors of Wisconsin, Inc. Database Development and Management Specialist
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Development Skills: **AJAX, CSS, Database Design, HTML, JavaScript, MySQL, Perl, PHP, Technical Writing**

UNIX Admin Skills: **Apache, Firewalls, Virtual Hosting, VPN**

- Supervised the upgrade and implementation of the company's existing MySQL database
- Oversaw the development of a comprehensive intranet-based PHP data entry interface for internal company use

- Wrote and revised technical manuals and employee training programs for the new software infrastructure

Mar, 2009 — Aug, 2009 Winner, Wixson & Pernitz
Accounting Data Management Specialist

Development Skills: **Perl, Shell**
UNIX Admin Skills: **Sendmail, VPN**

- Responsible for the entry and management of thousands of invoices and hand-written work, quickly finding and correcting problems that arose, overseeing billing and mailing operations
- Supervised the maintenance and upgrade of client and server software and hardware for the entire office
- Built a replacement internal database in Microsoft Access and a Visual Basic user interface

Jan, 2009 — Mar, 2009 Custom Exteriors of Wisconsin, Inc.
Outside Technical Consultant

Development Skills: **Database Design, MySQL, Perl, PHP, XML, XSLT**
UNIX Admin Skills: **Firewalls, Network Security, TCP/IP**

- Oversaw the design and launch of a large-scale MySQL database to store financial and work records for thousands of customers and employees

Jul, 2008 — Jan, 2009 UW-Madison EH&S
Web Portal Contact Training Specialist

Development Skills: **CSS, HTML, JavaScript, Perl, XML**
UNIX Admin Skills: **Code Security, CUPS**
Graphic Design Skills: **Inkscape, Photography, The GIMP**

- Chief designer and developer of a complex website to convey a multitude of safety and medical information
- Supervised the design of an intuitive and sleek website layout using HTML and CSS
- Employed advanced graphic and video presentation techniques to a wide range of multimedia for use in a web-based setting
- Used digital photography and image manipulation techniques in The GIMP to convey information to a wide audience of hundreds of university workers
- Employed HTML, CSS and object-oriented JavaScript to create an intuitive user experience

Sep, 2005 — Present Youth Against War and Racism
Political Organizer

Graphic Design Skills: Photography, The GIMP, Inkscape

- Used advanced graphic design techniques to create dozens of conspicuous and eye-catching materials

Sep, 2005 — May, 2006 Walgreens, Stillwater, MN
Photo Technician

Feb, 2001 — Sep, 2005 Walgreens, Minneapolis, MN
CSR/Photo Technician

- Successfully maintained general retail responsibilities, including accurately counting currency and aiding customers
- Employed film and print development techniques on four separate machines: Gretag Master Lab Plus; Noritsu QSF-V50 Film Processor and Scanner; Noritsu QSS-35 Plus Print Processor; Fujifilm Minilab-Frontier LP 7000

Other Skills and Experience

- Development:**
- More than 8 years experience programming in Perl 5 using object-oriented and threaded models.
 - Years of experience writing PHP 5, XHTML, CSS 2, JavaScript, AJAX, XML and XSLT.
 - Vast working knowledge of Perl, POSIX and Java regular expression libraries.
 - Years of experience in UNIX shell scripting, automated tasks, code security practices and multithreading.
 - Experience developing Java applications and experience using the Eclipse development platform.
 - Over 2 years experience working in a managed code environment using Subversion and Git.
 - Experience creating object-oriented code libraries in Perl, PHP and Java. Published on CPAN.
 - Experience building and using databases using SQLite, MySQL and PostgreSQL and working with PHP and Perl APIs.
 - Working knowledge of artificial intelligence (AI) programming concepts and designs, constructing and implementing neural networks.

- UNIX Administration:**
- Over 8 years experience administrating Linux servers and virtual hosts.
 - Vast and intimate knowledge of UNIX system administration, networking and security.
 - Years of Apache, MySQL and virtual hosting experience.
 - Extensive experience building, setting up and administrating computer networks and clusters.
 - Experience building desktop computers and upgrading hardware.
- Graphic Design:**
- Years of 2D and 3D graphic design experience working with Inkscape, The GIMP, Blender, Dia, Scribus, Adobe Photoshop and Illustrator.
 - Experience developing visual media in OpenOffice, LibreOffice and Microsoft Office.
 - Experience constructing, editing, encoding and analyzing digital audio with working knowledge of audio filtering types and techniques.

References

Employment

Walsh, Andrew
Custom Exteriors of WI, Inc
3501 N Northridge Ln
Appleton, WI 54914
Tel: +1-920-810-4306

Employment

Discher, Michelle
UW-Madison EH&S
30 East Campus Mall
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Tel: +1-608-890-0320

Employment

Madsen, Brandon
Youth Against War and Racism
345 W Doty St #2
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Personal

Shillingford, Nick

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Employment

Paul, Becky
Winner, Wixson & Pernitz
22 E. Mifflin St Suite 702
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Employment

Morrison, Jim
UW-Madison EH&S
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Tel: +1-608-263-2177

Employment

Larsen, Matthew
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Personal

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