Brandon Carlson

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MISSION & OBJECTIVE:

Experienced self-starter with extensive background in both server and client based Internet application development as well as managerial and architecture experience, seeks technical architect roll in a fast paced, goal-oriented organization.

SKILLS & ABILITIES:

Internet development languages and specifications

- Server: PHP4.x & 5.x, PERL & CGI, Java, .Net / C#, Bash / Cron scripting
- Client: HTML, XHTML, HTML5, CSS, XML, XSL, DOM, JavaScript / AJAX / jQuery, jsRender, LESS
- Modeling / Specifications: U.S. Section 508 / W3C WAI guidelines, RDBMS design, UML and OO design

Web server and computer applications

- Apache (1.3.x & 2.x), Tomcat, IIS web server administration and configuration
- MySQL3.x, 4.x, 5.x administration, Microsoft SQL Server, and Oracle database servers
- CakePHP MVC framework (also Zend and Symphony Frameworks), SugarCRM, Magento
- SVN, Git and GitHub version control. Atlassian Suite (Jira, Greenhopper, Confluence, etc)
- Phing, Gearman, Solr, Phar, PHPUnit

Operating Systems

- Linux (Red Hat - RHCT, Mandrake, Ubuntu, CentOS and BSD) installation and system administration
- Windows (2000, XP Pro, Vista, Windows 7) administration

EXPERIENCE:

Entegee – Contractor

MTS Systems – Sr. Systems Developer (2013 – present)

- Worked with a cross-functional team to determine system requirements in a multi-tiered environment.
- Developed and implemented code unit testing procedures and protocols.
- Conducted staff training sessions on various programming topics, implemented coding standards, and complete code reviews of the entire development staff.
- Reviewed new technologies, made recommendations to management, and implemented decisions.

Advantage Technical Resourcing – Contractor

Life Time Fitness: Sr. Developer (2012 / 2013)

- Led a team of 5 developers during in-housing of third party CakePHP application.
- Conducted code reviews, determined and implemented best practices in conjunction with coding standards (both internal and application specific).
- Migrated and assisted with the implementation of a REST based API utilizing CakePHP and .Net to develop back end services which are presented using jQuery and jsRender.

President, Aphion Inc - 2003 to present

Develop and deploy custom web applications for mission critical operations.
Integrate third party web applications with existing web infrastructure.
Conduct meetings with business owners to determine requirements.

National Chemicals Inc – www.nationalchemicals.com

- Developed a customized centralized eCommerce solution using CakePHP to power multiple eCommerce websites through a single codebase. Sites include: www.spulboyusa.com , www.suddendeathodoreliminator.com , www.craftmeister.com and more.
- Integrated existing FileMaker backend system into eCommerce platform.
- Ongoing maintenance and feature updates.

Church Planter Profiles – www.churchplanterprofiles.com

- Developed custom online personality profile assessment tool for www.churchplanterprofiles.com
- Integrated web application with third party systems using various Web Services including SOAP and REST integration.
- Built a dynamic reporting system which generates and display results using graphics and PDF generation.

MechanicHunter.com – www.mechanichunter.com

- Developed custom online mechanic search web site using the CakePHP framework.
- Integrated site with several external REST based APIs.

Senior Site Designer, Digital River Inc. - 2005 - 2006

- Led a CSS conversion project migrating existing table based template system to a US 508 compliant CSS and Semantic HTML based system.
- Created and developed e-commerce web sites for a variety of Fortune 500 companies.
- Interact with Project Managers to determine the most effective revenue generating techniques for individual clients.
- Developed and implemented appropriate on-line marketing strategies.

Management Analyst, U.S. Postal Service - 2003 to 2005

- Redesigned Shared Services intranet site based on usability studies and communication with senior management to obtain specifications.
- Redesign included custom web applications such as search engine, XML news feeds utilizing RSS 0.91, PHP, and XML, and strict adherence to U.S. Section 508 web accessibility guidelines and XHTML1.1 development with both CSS1.0 and CSS2.0.
- Developed custom intranet and extranet web applications for field accounting units and Shared Services departments including file upload, forum, survey management and task management applications.

Operations Support Specialist, U.S. Postal Service - 1999 to 2003

- Primary computer support for sort plan editing software within a large geographical area.
- Developed training materials and curriculum for sort plan editing software
- Consistently achieved average first call resolution of over 90 percent.

Supervisor, Distribution Operations, U.S. Postal Service - 1998 to 1999

- Directed the work activities of 45 individuals in a highly automated and mechanized production environment.
- Conducted root-cause analysis to determine points of failure in operational procedures and processes.
- Developed and modified standard operating procedures to reduce system failures, resulting in net savings of over $3.5 million per year.

Adjunct Professor, Hennepin Technical College – 2004, 2009 – 2013

- Developed curriculum for a new PHP / MySQL course which is part of a two year Web Programming Degree Program.
- Instructed classes covering PHP and MySQL as well as XHTML, CSS and related topics. Course subjects covered proper syntax, programming methodologies, file handling, database connectivity, sending email, and regular expressions.

EDUCATION:

Zend Certified Developer – May 2006

Technical certification demonstrating competence in developing web based applications using the PHP programming language.

RHCT Certification, Red Hat Enterprise Linux - December 2003

Technical certificate demonstrating competence in installing and configuring new Linux workstations in a production environment.

Hennepin Technical College, Associate of Applied Science - Web Programming

Primary focus on object oriented design and development principles, database design and entity modeling, systems analysis, and the Systems Development Life Cycle using Client and Server based programming languages to create multi-tiered, database driven web applications on both MicroSoft and Unix / Linux platforms.

University of Minnesota, Mathematics

Emphasis on logical and critical analysis skills. Completed courses in statistical analysis, multi-variable calculus, non-Euclidian geometry, and abstract algebra.

PERSONAL PROJECTS:

UShopForUs – www.ushopforus.com

Online shopping engine designed to help members of schools and non-profits shop on behalf of their members or organization.

Your List Online – www.yourlistonline.com

Online wish list and registry system built using CakePHP. System is integrated with multiple REST based APIs as well as the Facebook API.