

MICHAEL R. BAGNALL

Alexandria, VA - mrbagnall@icloud.com

SENIOR PHP/DRUPAL ARCHITECT, TECHNICAL LEAD & SYSTEM ADMINISTRATOR

A relentless problem solver, applies analytical, design and technical skills to design, develop and troubleshoot custom internet systems. Effective, hands-on system administrator with outstanding success in building, managing and maintaining full LAMP based systems both in physical, virtual, cloud and container based technologies. Extensive background in open source content management frameworks including Drupal and Expression Engine as well as customized development using proprietary and open source frameworks. Skilled with MySQL and PostgreSQL database systems.

PROFESSIONAL EXPERIENCE

ITCON SERVICES – WASHINGTON, DC

NOVEMBER 2015 - PRESENT

Technical Lead/Senior Drupal Developer. Responsible for architecting custom Drupal-based solutions for government clients including the United States Department of Agriculture. Also responsible for systems management including full LAMP stack support and integration across a load-balanced system. Development of custom Drupal modules for specific application needs including USDA Food Quiz and calorie calculations based on age, sex, weight, and height. Development of Docker based systems including contributions to enterprise level Docker platforms. Construction of custom containers and systems using Docker Composer.

Assisted in business development activities such as proposal planning, reviewing and providing technical writing. Part of the leadership team that works to plot the course of the company, provide mentorship to other developers and interact with clients both in meetings and one on one.

Source Control Technologies: Git (Bitbucket/GitHub), Team Foundation Server

Programming Platforms: PHP 5 & 7, XHTML, JavaScript, SQL, JSON, Symfony, Drupal 7/8

Operating Systems: Windows 7, Windows 10, Linux Systems, Mac OS X

Technologies Used: Docker, SOLR, Memcached, Redis, MySQL, PostgreSQL, Docker Composer, ProboCI

MASTERCHANNEL, LLC – NASHVILLE, TENNESSEE

MAY 2015 – NOVEMBER 2015

Senior electronic commerce architect. Responsible for architecture between Drupal and external systems such as Magento and Parse notifications. Also responsible for architecting next generation electronic commerce platform. Numerous contributions to Drupal Core in terms of bug fixes and enhancements to both Drupal 7 and Drupal 8 core platforms on Acquia Cloud and Site Factory.

Source Control Technologies: Git (GitHub/Bitbucket)

Programming Languages: PHP 5, JavaScript, SQL

Platforms/Operating Systems: Macintosh OS X, Linux Systems

Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, MIME, CGI

Technologies Used: Magento, Drupal, Drupal Commerce, iOS Notifications, Parse

HIGHWIRE PRESS, INC. – REDWOOD CITY, CALIFORNIA

JUNE 2013 – MAY - 2015

Software System Architect – Books Platform. Responsibilities include the architecture, maintenance and development of high end Drupal based publication web sites for scholastic journal and book publishers. Additional work with Drupal framework developing Drupal modules and features to bring rich, content intensive interactive experiences. Experience building CTools content types, custom modules, Views handlers and plugins as well as a variety of installation profiles.

Source Control Technologies: Git (GitHub)

Programming Languages: PHP 5, XHTML, JavaScript, SQL, JSON

Platforms/Operating Systems: Macintosh OS X, Linux Systems

Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, MIME, CGI

VANDERBILT UNIVERSITY MEDICAL CENTER

AUGUST 2011 – JUNE 2013

Health Systems Analyst and Programmer II. Responsibilities include custom Drupal applications for custom projects and management of Drupal based interface for proprietary database system. Developed custom integrations with Shibboleth single sign on technologies and external XML feeds for PubMed publications and other government health agencies. Building tools to manage data sources for adjudication and classification of public documents.

Source Control Technologies: Git (GitHub)

Programming Languages: PHP 5, XHTML, JavaScript, SQL, JSON

Platforms/Operating Systems: Macintosh OS X, Windows XP/7

Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, MIME, CGI

SOUTHCOMM, INC.

MARCH 2010 – AUGUST 2011

Senior Developer responsible for all aspects of web development for high profile web sites for Nashville area publications including the Nashville Scene, Nashville City Paper, Her Magazine, Nfocus Magazine and LEO Weekly. Extensive work in developing custom built Drupal technologies including electronic commerce, statistic tracking and building custom SMS applications for publications using the Tropo API. Additional work on caching systems for high traffic Drupal and PHP based web sites utilizing Varnish.

Programming Languages: PHP 5, XHTML, JavaScript, SQL, JSON

Platforms/Operating Systems: Ubuntu Linux Servers, Macintosh OS X, Windows XP/7

Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, MIME, CGI

Software: Adobe Photoshop, Adobe InDesign, Microsoft Word

DIGOME, LLC., NASHVILLE, TN

MAY 2009 – MARCH 2010

Software Developer tasked with development of web sites and electronic commerce platforms for high-profile clients. Managed LAMP server systems on virtual server and Amazon EC2 cloud technologies. Produce custom metrics and reporting tools to assist sales in presenting company results to prospective clients. Engaged in extensive development with Drupal and Kohana frameworks including custom themes and modules. Built and maintained customer support infrastructure using Kayako. Worked and customized an Interspire ecommerce platform for the Country Music Hall of Fame.

Programming Languages: PHP, Perl, XHTML, JavaScript, SQL
Platforms/Operating Systems: RedHat Linux, Macintosh OS X, and Windows XP/Vista/7.
Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, TCP/IP, MIME, CGI
Database: MySQL

W1 Wellness

March 2009 – May 2009

Software Developer tasked with contributing components to a wellness based platform using standard PHP without a framework. Demonstrated some work to convert the framework-less system to a CodeIgniter system unsuccessfully.

Programming Languages: PHP, PHP (CodeIgniter)
Platforms/Operating Systems: RedHat Linux, Macintosh OS X

Athlon Sports, Nashville, TN

July 2006 – March 2009

Senior Software Developer in special projects. Worked to design spirit based contests surrounding school cheer programs and photography competitions amongst models in a sports environment. Also produced photo shoots for web content and produced software to drive and power the web content for Sideline Spirit and Swisher Sweeties. Also worked on fantasy sports games and score updates and tracking from a standardized sports feed. Also built high power VMware load balanced servers using EXSI technology, SAN services as well as master and slave databases.

Programming Languages: PHP, Perl, XML, JavaScript, SQL
Platforms/Operating Systems: RedHat Linux, Macintosh OS X,
Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, TCP/IP, MIME, CGI

Vision 3 Interactive Media

August 2004 – July 2006

Senior Software Developer, Architect. Developed in-house electronic commerce system used by Fortune 500 companies to sell business to business promotional gear to vendors, employees and other persons of interest. System also used in Business to Consumer including physical, electronic and ticketed goods. Custom development of web sites built in standard HTML as well as Perl, PHP, Javascript over a MySQL and flat file database systems. Managed web, email, DNS and full LAMP stack systems.

Programming Languages: PHP, Perl, XHTML, JavaScript, SQL
Platforms/Operating Systems: RedHat Linux, Macintosh OS X, and Windows XP.
Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, TCP/IP, MIME, CGI

ThinkLink Learning

March 2004 – August 2004

Junior PHP Developer tasked with code improvements and maintenance of existing system. Software based on state-standards assessments and practice tests given to middle and high school students. Involved calculations of correct answers. Revamp of existing code to meet higher standards.

Programming Languages: PHP
Platforms/Operating Systems: RedHat Linux and Macintosh OS X

PowerTools Productions, LLC**May 1997 – March 2004**

Senior Software Developer, Architect and Business Co-Owner. Developed in-house electronic commerce system used by Fortune 500 companies to sell business to business promotional gear to vendors, employees and other persons of interest. System also used in Business to Consumer including physical, electronic and ticketed goods. Custom development of web sites built in standard HTML as well as Perl, PHP, Javascript over a MySQL and flat file database systems. Managed web, email, DNS and full LAMP stack systems including one custom game metaserver for high profile client.

Programming Languages: PHP, Perl, XHTML, JavaScript, SQL, C++, C

Platforms/Operating Systems: RedHat Linux, Macintosh OS X, and Windows XP

Internet Standards: XML/REST, HTTP/SSL, XHTML/CSS, SMTP, TCP/IP, MIME, CGI

EDUCATION AND AFFILIATION

KAPLAN UNIVERSITY, DAVENPORT, IA**DECEMBER 2007 – JUNE 2010**

Bachelor of Science Degree in Computer Science with an emphasis in programming. Graduated *Cum Laude*.

YORK COLLEGE OF PENNSYLVANIA, YORK, PA**AUGUST 1989 – MAY 1994**

Bachelor of Arts Degree in Speech Communication

SAMPLE OF WORK

<http://www.erspublications.com> - Books ecommerce site for European Respiratory Society

<https://www.michaelbagnall.com> - Personal blog and technology web site.

<https://www.brightonclose.com> - Housing association web site.

<https://www.choosemyplate.gov> - Choose My Plate - USDA

<https://www.cnpp.usda.gov> - Center for Nutrition Policy and Promotion - USDA

<https://www.whatscooking.fns.usda.gov> - Recipe Box Nutrition Sharing Portal - USDA

<https://www.imagedragonmusic.com> - Artist web site (ecommerce).

<http://drupal.org/user/350597> - Drupal.org profile of contributed works.

<https://bitbucket.org/mrbagnall> - BitBucket Public Code Repository

<https://github.com/ElusiveMind> - GitHub Public Code Repository

<https://hub.docker.com/u/mbagnall> - Docker Hub public repository

METHODS OF CONTACT

The preferred way of contacting me is through my email address at the top of this resume. My phone number is available on request however given the nature of my schedule, it is best to contact me via email to coordinate a phone conversation. Additionally, I can be found on LinkedIn where I welcome new contacts:

<https://www.linkedin.com/in/mbagnall/>