

DOUGAL CAMPBELL

822 Holly Ridge • Canton, Georgia 30115 • (678) 300-1987

dougal@dougal.us • <http://dougal.us/>

Summary

Full-stack web developer, skilled in JavaScript, CSS3, PHP, Perl, Apache, Nginx, NodeJS and more.

Skill Set

WEB TECHNOLOGIES

Apache, Nginx, HTML5, CSS3, SASS, AJAX, jQuery, UnderscoreJS, AngularJS, ReactJS, node.js, Express, WebSockets, JSON, Bootstrap, Zurb, Atom & RSS, XML-RPC, XML, WordPress, Drupal, Responsive Web Design

PROGRAMMING

JavaScript, PHP, Perl, Shell, SVN, Git, Hg

OPERATING SYSTEMS

Mac OSX, Linux, FreeBSD, Windows

DATABASES / KEYSTORES

MySQL, Memcache, Redis, MongoDB

NETWORKING

HTTP, SSH/SFTP, SMTP, FTP/TFTP, DNS, TCP/IP, Routing

Work Experience

Sr. Software Developer

11/2016 – 01/2017

Hi-Rez Studios, Alpharetta, GA

Hi-Rez Studios was established in 2005 to create exceptional online interactive entertainment and is now one of the largest video game studios in the Southeast United States. Their games include SMITE, Paladins, and the upcoming SMITE Tactics and SMITE Rivals, among others. As a Sr. Software Developer, I built WordPress-based web sites to market and support our games. This included integration of content management features for supporting multiple languages, and implementing design mock-ups into a responsive web site using the Zurb Foundation CSS framework.

WordPress Developer

09/2016 – 11/2016

TEKSystems, Atlanta, GA

contract

I worked as a contractor to the CDC and Northrup Grummon, helping with a data migration project using WordPress on the back end. The project made heavy use of custom taxonomies, custom post types, and metadata, along with JavaScript-driven UI features to provide advanced content management features to a large number of internal customers.

WordPress Engineer

05/2016 – 09/2016

XWP, Australia/distributed

Independent contractor/remote

As a WordPress Engineer for XWP, I helped develop features for a major media client. We built a headless CMS based on WordPress, the Customizer, and the REST API. Work on this site also resulted in major feature improvements to XWP's Customize Posts, Customize Snapshots, and Customize Browser History plugins. I also implemented features to notify a third-part content caching system of content updates, and improved JavaScript data handling for custom post types in the Customizer.

Web Developer

02/2016 – 05/2016

Semper Fi Web Design, Durham, NC

Independent contractor/remote

Semper Fi is a web development company specializing in WordPress development, support and SEO. Based in Durham, North Carolina. I helped manage support requests, researched and fixed reported bugs, developed new features, and refactored code for Semper Fi's WordPress plugins, including their flagship All In One SEO Pack plugin.

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UI Engineer

03/2015 – 02/2016

Autotrader.com, Atlanta, GA

contract

Set up A-B test cases to measure effectiveness of changes to the Trade-In Marketplace (TIM) funnel of the mobile and desktop sites. Integrated data services from Kelly Blue Book (KBB) and BuyBook Technologies (BBT) to increase consumer and dealer confidence in online vehicle valuations. Used responsive design to make the primary Autotrader.com website usable for desktop, tablet, and mobile devices, with the eventual goal of merging the desktop and mobile code bases into a single code base. Participated in ongoing initiatives to migrate version control from subversion to git, and to replace the use of JavaServer Faces (JSF) components with Bootstrap and ReactJS.

Lead UI Developer

1/2014 – 1/2015

PredictiveScience, Austin, TX

remote

Responsible for front-end feature development in our hybrid traditional / single-page JavaScript web application using jQuery, Underscore.js, AngularJS, RequireJS, AJAX, CSS3, HTML5, Bootstrap, JSON and REST APIs. Developed features in our middle tier services, using PHP, the CodeIgniter OOP/MVC framework, and MongoDB, which handled authentication, authorization, caching, and data proxying to other internal and external services.

Assumed other Lead duties as needed, such as managing daily stand-up meetings of our geographically diverse team, assigning tasks to other team members, and communicating with clients. Participated in the creation and use of our Software Development Life Cycle (SDLC) toolset, which included Mercurial/Bitbucket, Vagrant, VirtualBox, Linux virtual machines, Apache Ant, Grunt (nodejs), and Puppet.

Sr. PHP Developer

10/2013 – 01/2014

LexisNexis, Alpharetta, GA

contract

Front-end and back-end development for retrieval and reporting of sensitive personal data used in the insurance industry. PHP development using Zend Framework, AJAX, XML, XSLT, JavaScript, and CSS. Worked on complex SQL queries and JavaScript enhancements for multi-part web forms.

Business Analyst/Architect

7/2013 – 9/2013

Safe-Guard Products International, Atlanta, GA

In my dual role of Software Architect and Business Analyst, I participated in the planning of an effort to rewrite Safe-Guard's proprietary PHP software systems, and guided the IT team by translating business needs into technical requirements and documentation. Developed features and bug fixes for the existing system, assisted clients with on-boarding, performed troubleshooting of SOAP services, and aided in the evolution of Safe-Guard's Software Development Life-Cycle (SDLC).

Web Developer

4/2013 – 7/2013

AT&T, Atlanta, GA

contract

Worked on internal web sites used by employees, retail stores, and third-party resellers to manage company-owned equipment and services (COU – Company Official Use). Participated in the launch of Aio, AT&T's new mobile company for pay-as-you-go services. Used ColdFusion on the back-end, and coded HTML, CSS, and JavaScript/jQuery for the front-end, including some HTML5 features for web properties which were being upgraded.

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Outside Experience and Projects

I have had several outside professional and personal projects of note:

- I have rekindled my old electronics hobby by starting to learn Arduino microcontroller programming, with the hope of eventually building some robots and quad-copters. As part of my self-learning, I created a browser-based simulation of addressable RGB LED strips, which I released on Github.
- “Developer Emeritus” (former core developer) for WordPress, a content management system (CMS) based on PHP and MySQL (<http://wordpress.org/>). As a member of the WordPress development community, I have a strong commitment to web standards such as XHTML, HTML5 and CSS. Also, I have developed several plugins for WordPress which I have released to the public through my blog and through the WordPress Extend directory.
- One of about 100 participants in the by-invitation WordPress Community Summit, held in October 2012. This event invited representatives from around the world, nominated by the community, to discuss how to strengthen and direct community efforts for WordPress.
- Have been a speaker at WordCamp events, including WordCamp Birmingham for 2008, 2009, 2010 and 2011, WordCamp Atlanta 2013, and WordCamp Raleigh 2016. Presentation topics included “The Future of WordPress”, “Jumping into WordPress Plugin Programming”, “Pitfalls of a Popular Project”, and “Secure All The Things!”. I Gave a presentation on “Higher Order WordPress Security” at the Atlanta WordPress Users Meetup in September 2012.
- Started developing a new version of Twitual (<http://twitual.com/>), a service for exploring the intersection and difference between a user's followers and friends on Twitter. The new version is being written in JavaScript on the node.js server platform.
- One of about 30 members of the PHP community invited to attend the Microsoft Web Developers Summit 2008, where Microsoft solicited feedback on how they could improve their participation in PHP and other open source projects.
- Manage my own set of Linux servers for web, database, and email services.

Education and Certifications

2015 Agile Boot Camp, Atlanta, GA

Training by Leading Agile for new teams at Autotrader.

2000 Microsoft Certified Systems Engineer

MCP, MCP+I, MCSE Windows NT 4.0 – December, 2000.

1996 Alabama Industrial Development Training, Huntsville, AL

Principles of Programmable Logic Controllers (PLCs), a sixteen-hour workshop on PLC programming.

Relay Based Motor Controls, a twelve-hour workshop focusing on AC circuits for relay-based motors.

1994 Novell Network Administration, New Horizons, Huntsville, AL

Completed a one-week course in advanced Novell Network administration.

1988-1991 Auburn University, Auburn, AL

Computer Science Major with coursework in C, Pascal, Algorithms, and 8086 Assembly Language. Employed by School of Forestry as a Systems Analyst I for the ATDEP project.

1985-1987 Georgia Institute of Technology, Atlanta, GA

Electrical Engineering Major with coursework in Fortran, Pascal, and digital hardware circuit concepts and design.