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Full Stack Web Developer & Front End Specialist

Full stack web developer also specializing in plain-JavaScript user interfaces, 2D graphics and animation programming and educational video games. Highly modular and object oriented coding style.

Main Languages

JavaScript, Java, PHP, C#, C++, SQL, HTML5, CSS3

Experience With

| | | |
|--------------------------------|--------------------------|-----------------------|
| Object Oriented Programming | Mobile & Desktop | Unit Testing |
| Event Driven / Asynchronous | Responsive Pages & Email | Research |
| UI, Interaction and Animation | API Integrations | Writing Documentation |
| Image Editing (Photoshop/GIMP) | AJAX, JSON & XML | Debugging |

Web Development Work Experience

Silgan Containers (Short Term Contract) - 10/2017 to 12/2017

Designed and built a custom Micro-CMS (content management system) using JavaScript, C# .NET, and MS SQL. Designed entire CMS including wireframes, UX and code on all MVC layers. CMS allows creation of pages with custom urls, page content editing with an embedded HTML editor, pluggable HTML content modules, user management and role based authentication and authorization system, and site search feature. Micro-CMS also allows CSV file upload, then processes CSV files into HTML which is stored in a file cache for optimization of speed. Custom UI controls including modal dialogs and a popout mobile menu were coded. Created responsive web pages to closely match design artwork.

JavaScript, C# .NET, MS SQL, HTML, CSS

ViSalus Sciences (Short Term Contract) - 7/2017 to 9/2017

Constructed a WordPress site and integrated it with companion sites using secure single sign on techniques. Created JSON services in PHP and corresponding clients in JavaScript and C#. Integrated a PHP site with third-party APIs. Developed JSON services to convey data which was input by staff into WordPress posts. Created a modular page header component that is shared across WordPress and .NET sites for identical appearance and functionality. Created responsive front ends in HTML, CSS, and JavaScript to closely match design artwork.

JavaScript, PHP, C#, WordPress, HTML, CSS, jQuery

iAESL, Inc. (Remote Short Term Contract) - 8/2016 to 3/2017

Developed & helped design 10 educational games for mobile and desktop using WebGL.

Designed & programmed highly configurable game engine from the ground up which allows

game levels to be configured to match educational curriculum. Designed JavaScript API to expose game scores to integration layer and server-side code. Programmed view transformations for touchscreen zoom and pan, and an image editor allowing text to be overlaid on images. Programmed animated spritesheets, physics engine and particle systems for sprites and special effects. Programmed configurable game audio including speech and music using HTML5.

Pixi.js/WebGL, JavaScript, jQuery, HTML5, CSS3

Walt Disney Parks and Resorts Online (Contract) - 11/2015 to 2/2016

Developed high traffic e-commerce site for ticket sales using service oriented architecture. Coded PHP mid-layer to call RESTful Java services and respond to HTTP status codes. Coded Zend MVC to process JSON service responses into responsive HTML/CSS views. Developed & debugged AngularJS apps with multiple form views on a single page. Developed & debugged API integration of new website onto existing platform services. Coded unit tests for controllers and components using PHPUnit. Worked with multiple teams in Agile continuous integration environment with Jira & Bamboo. Ensured accessibility of site for visually impaired using semantic HTML5 and JavaScript for keyboard navigation.

PHP, JavaScript, HTML, Sass

SOA, PHPUnit, AngularJS, Zend, REST, Git, Perforce, jQuery, JAWS Screen Reader

Disney Consumer Products (Contract) - 7/2015 to 9/2015

Developed web services to support subscription based educational iPad games. Designed & developed API for syncing server's published content with client iPad. Developed scalable cloud based app using Java with NoSQL on Google App Engine. Designed NoSQL data structures and coded Java and PHP services to return JSON. Used SOAP and JAX-RS to connect to existing Java services in SOA. Configured Linux servers to run Java, Tomcat & Spring or PHP, MySQL and Apache.

Java, PHP, Unix, MongoDB, MySQL

SOA, SOAP, REST, Tomcat, Spring MVC, Eclipse, JAX-RS, Perforce, Google App Engine

Phelps (Contract) - 1/2015 to 6/2015

Created marketing landing pages and integrated them with Marketo CRM. Coded responsive emails for mobile and desktop and verified compatibility using Litmus. Created Node.js tool for parsing asp files using regular expressions to update codebase. Transformed Photoshop mockup files into responsive web pages with HTML5/CSS3.

JavaScript, HTML5, CSS3, Sass

Photoshop, Node.js, jQuery, Subversion, Marketo, Litmus

Walt Disney Parks and Resorts Online (Contract) - 1/2014 to 7/2014

Developed high traffic e-commerce site for ticket sales using service oriented architecture. Improved server performance by utilizing memcache more efficiently. Coded PHP mid-layer to call RESTful Java services and respond to HTTP status codes. Coded Zend MVC to process JSON service responses into responsive HTML/CSS views.

Developed & debugged API integration of separate website onto existing platform services.
Coded unit tests for controllers and other components using PHPUnit.
Worked with multiple teams in Agile continuous integration environment with Jira & Bamboo.
Ensured accessibility of site for visually impaired using semantic HTML5 and JavaScript for keyboard navigation.

PHP, JavaScript, HTML, CSS

SOA, Zend, PHPUnit, JQuery, Perforce, JAWS screen reader

ActiveVideo (Contract) - 5/2013 to 8/2013

Developed app which aggregated informative web services and played video-on-demand.
Programmed JavaScript for proprietary APIs on television based platform.
Developed JavaScript App that was controlled by a TV remote control.
Ensured pixel to pixel matchup of finished product to design mockups.

JavaScript, HTML5, CSS3

Perforce

Age of Learning, Inc. - 8/2012 to 3/2013

Developed educational children's games for iPad using JS, DOM and CSS for animation.
Created reusable game components and designed their APIs in JavaScript.
Debugged the integration of JavaScript games with PHP/MySQL backend services.

JavaScript, PHP, MySQL, HTML5, CSS3

2D Animation Programming, GD server side graphics library, Photoshop

Freelance Web Development - 11/2010 to 7/2012

Developed websites and email campaigns for small nonprofit and businesses.
Coded API integration with shipping company.
Designed and programmed PHP/MySQL online petition which also gathered lead information.
Performed security assessment and upgrade of vulnerable PHP site.
Designed and programmed animated photo gallery.
Administered server in shared hosting environment.

PHP, MySQL, JavaScript, HTML, CSS, Unix

Wordpress, JQuery, Google Analytics, MODX Revolution, Adobe Business Catalyst

Internet Brands - 9/2009 to 10/2010

Created automobile query configurator with Java, Spring MVC and Hibernate.
Created Java tool for remotely configuring the logging settings of multiple Tomcat servers.
Developed proprietary content management system with MySQL, PHP and JavaScript.
Created MySQL schema and PHP services to provide data in either JSON or XML format.

Java, JavaScript, PHP, MySQL, Oracle SQL, HTML, CSS

Spring MVC, Hibernate, CakePHP, JSON, XML, Eclipse, jQuery, Subversion

Education

AA Liberal Arts Transfer (Graduated with Honors)

Santa Monica College, Santa Monica, CA May 2007

Multivariable calculus, linear algebra, discrete structures & combinatorics,
algorithms & data structures in c++, assembly language

Volunteer Work

Union Rescue Mission

Prepared meals and served food at homeless shelter in Skid Row.

Friends of Ballona Wetlands

Guided volunteers in removing invasive plants to restore ecosystem and native habitat.