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Summary Versatile web application developer. Extensive experience building interfaces and application logic for many solutions; most recently hardware integration and automation.

Objective Leveraging my user interface experience, graphic design, and web application development skills toward a principal software developer position with team mentoring responsibilities.

Current Most Used Software VSCode, Postman, MySQL Workbench, JIRA, Teams, GIT Enterprise, Adobe Design Suite, SharePoint, Confluence.

Development Languages and Frameworks Javascript stack: nodeJS and npm, ES6/Babel, AngularJS, Sencha ExJS; Javascript Libraries: React, jQuery; LAMP: SQL (mySQL and postgreSQL), PHP, Drupal, WordPress; Python: Flask, gunicorn, SQLAlchemy; UI Development: HTML5, XML/XSL, CSS, SASS; BASH, PERL

Hardware Apple Macintosh, Windows, UNIX/LINUX (BSD, Centos, Debian, SUSE), iOS and Android.

1/2018 to present
Engineer III
(Contract Position)
Qualcomm
San Diego CA

Web Applications Developer for SVE Emulation Hardware and Infrastructure team. Develop and maintain cutting edge cloud management applications for Silicon Validation Engineering. Responsible for architecture, design, development, and testing of applications. Applications are three tiered MVC tools with user interface, business logic, and database layers. Various levels of engineering and management use these tools broadly.

Original project has a Sencha ExJS frontend UI, with an MVC backend in PHP. A server-side PERL daemon links the PHP to the LSF scheduler, allocating tests to available machines.

Migration to a service based, mostly Python backend with a React frontend UI began in 2021. The older solution has become too large and monolithic. There is a new need to move to AWS to reduce costs and provide pre and post silicon testing support for global Qualcomm teams.

5/2017 to 8/2017
Senior AngularJS Developer
(Contract Position)
Agena Bioscience, Inc.
San Diego CA

Redesign and re-architect existing, frontend, user interface for Java application used for new genetic testing hardware, MassARRAY® System. Architect and document, using AsciiDoc and PlantUML, UI development workflow for encapsulated directives. The UI contains forms generated by the backend and implemented by the UI (dynamic content). The UI also has content implemented just by the UI via REST calls to the backend. The REST protocol used is HAL.

Maintain UI as needed during refactoring and ongoing software and product development. Guide team prioritizing and scoring UI tasks in sprints.

Mentor and work with team members to solve task related problems and overall software design. Work closely with the software lead and technical writer to integrate AngularJS code standards with Java standards development.

1/2016 to 1/2017
Senior Web Application Developer
(Contract Position)
Pfizer
San Diego CA

Design and build UI architecture, components, and customization for an extensive, highly interactive web application suite. The UI architecture is built around AngularJS, with eventual migration to Angular2 and Typescript. The data for the browser side is JSON acquired by REST calls to a backend Java API. The development workflow includes use of nodeJS, npm, and bower with development of gulp and shell scripts.

Mentor and work alongside motivated, supportive, and talented people in a collaborative Agile environment. Presenting new features, workflows, and design concepts is a significant part of this teamwork.

Work closely alongside UI/UX designers and web engineers. This includes getting specifications from system engineers through MagicDraw, generating functional wireframes with Axure, and creating flat PDF wireframes for stakeholders.

<p>7/2011 to 8/2015</p> <p>Senior Software Engineer</p> <p>Novatel Wireless (now Inseego) San Diego CA</p>	<p>As part of a diverse team, develop and maintain web user interface for Novatel Wireless MiFi and M2M mobile hotspot devices. The position involves graphic design and front-end web development as well as C/C++ code behind and template development on the server side.</p> <p>Work closely with clients, both internal and external, to develop and create user experience from the user interface to collaterals.</p> <p>Most work involves developing theme elements for each product's web UI and device UI. (Some products have two-color or full-color touch screen displays.) These include icons and other artwork, CSS styles, validated and 508-accessible HTML, responsive page template design, UX, and the development of custom jQuery plugins. Used XML for configuration files.</p> <p>Contribute to the C/C++ codebase, including an authentication module, additions to the configuration's framework, and writing several "applications" in the web UI. Create and maintain build rules as they pertain to the web UI and web framework.</p> <p>Contribute to documentation. Create design guidelines and contribute to usability specifications.</p> <p>The most significant contribution made on the web UI software development team was to co-develop our custom, embedded, web UI framework. The framework was designed to be extensible yet abstract. It can be re-themed to suit the demands of our clients. Module "applications" can be enabled or disabled at build time and on-demand. Using core, open-source technologies like Lighttpd, CGICC, and the CTPP2 template library, the team devised our own code architecture, optimized for embedded devices. The framework supports multiple languages, including Semitic languages with reversed page layout.</p> <p>Develop MiFi desktop simulator with x86 framework build and Glade on Ubuntu Linux.</p>
<p>4/2010 to 7/2011</p> <p>Software Web Console Designer (Contract Position)</p> <p>Novatel Wireless (now Inseego) San Diego CA</p>	<p>Web and Javascript user interface developer for Novatel MiFi devices. The devices use a BusyBox embedded Linux platform and a heavily modified Tiny HTTPD (thttpd) web server. Most of the UI uses REST to interact with the device via C++ CGIs.</p> <p>Develop workflow and production files for rapid web user interface re-skinning.</p> <p>Design and build comps for customer branding, presentations, widget development, and print marketing collateral.</p>
<p>8/2009 to 2/2010</p> <p>Web Developer Programmer Level II (Contract Position)</p> <p>Red Door Interactive San Diego CA</p>	<p>Redesign Cricket web site front-end XHTML/CSS. Tasks include constructing Symfony templates and adding Javascript features, like a row expander jQuery plugin and dynamic popup windows for SWF presentations. Create a CSS-only solution for dynamic buttons.</p> <p>Redesign California Avocado Commission web site front-end XHTML/CSS with a SilverStripe backend. One main task on that project was to design and implement a recipe widget, requiring a PHP class, search, and Javascript servings calculator. (The calculator logically rounds measurements to the nearest 1/8 or 1/4.) The site also required special recipe print styles for full page and index cards. Another task was to add an active map feature to find and select regional avocado growers.</p>
<p>6/2008 to 11/2008</p> <p>Web Developer Programmer Level II (Contract Position)</p> <p>Red Door Interactive San Diego CA</p>	<p>Interactive and production development for several web projects. These projects include PHP MVC development using CodeIgniter, Symfony, SilverStripe, and Fusebox. Some of these projects need writing MySQL queries and implementing the model in PHP. Extensive SOAP/REST service support built for many of their clients. XHTML/CSS and image fabrication for all these projects, as well. Implemented HTML emails for other RDI clients.</p> <p>Larger projects involve Rubios and Nanogen. For Rubios, built SOAP/REST-based user interface for ordering and selecting pickup times. For Nanogen web site redesign, used CodeIgniter, XHTML/CSS, and Javascript for web site redesign.</p>

<p>12/2008 to 1/2009 PHP Developer (Contract Position)</p> <p>Youreeeka! San Diego CA</p>	<p>Youreeeka! is a startup, online video distribution company. Youreeeka! provides distribution control for its members and cost-effective deployment for small to medium producers.</p> <p>Worked briefly on backend PHP before the project was abruptly ended.</p>
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<p>2/2008 to 4/2008 Web Developer (Contract Position)</p> <p>Interactivate San Diego CA</p>	<p>PHP, MySQL, XHTML, and Javascript updates of existing, commercial web sites. The range was from real estate web site updates to form development to the front and backend creation of promotional pages.</p>
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<p>3/2007 to 2/2008 Web Content Developer (Contract Position)</p> <p>Provide Commerce, Inc. San Diego CA</p>	<p>Responsible for creating new web site content, maintaining existing content, and developing and deploying retention HTML email for internal customers. Work closely with the Web Site Strategist, Project Coordinator, Marketing Managers, and other team members to accomplish tasks on a project basis.</p> <ul style="list-style-type: none"> • Accurately and efficiently develop and maintain web site content based on requirements from internal customers. • Develop and maintain HTML templates used in retention email campaigns that are broadly usable with offline and online email clients. • Develop and maintain HTML email content, images, and variables based on requirements from Marketing Managers. • Perform unit testing and prepare changes for software quality assurance team. • Work with software engineering team to assist in migration of existing website content to new platform. • Develop a thorough understanding of ProFlowers' marketing & business.
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<p>8/2005 to 2/2007 Software Engineer (Contract Position)</p> <p>Eastman Kodak Company Rancho Bernardo CA</p>	<p>Work with a team of three other Macintosh specialists at the company's San Diego Systems Development facility to develop and implement an automated testing system.</p> <p>Create Macintosh test automation AppleScripts.</p> <p>Create Macintosh test automation framework that executes the automation AppleScripts. This is achieved using BASH and PERL scripting, MySQL database development, and PHP and Javascript browser user interface design and creation.</p> <p>Communicate and provide status on the project.</p>
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3/1994 to present
Principal
Scott Communications
San Diego CA

Scott Communications provides print and web production and design expertise to all types of organizations. Excellence is strived in all areas of web and database development, print production, and design. Scott Communications has been actively serving the educational publishing, ad agency, government, and non-profit areas since 1994.

Highlighted Projects:

Efficient Market Portfolios

A complete Drupal remake and redesign of their old site. Among the site's typical content management features, the client can also post mp3s to a podcast feed. Podcasting is served with FileField Podcaster, a special CCK file field module, and Views. The client can also post video commentaries to the commentary pages. The footer has a site map function that is automatically in sync with the primary links menu. Links in the promotional blocks are also in sync with the primary links menu, where appropriate.

USA Hifi

An e-commerce Drupal site with several customizations. The client, based in Canada, has international clients and plans to leverage this site to other sites in different countries. Drupal doesn't handle currency conversion well, so a module had to be created. Many of the views and templates needed special functions to theme and display prices and discounted products. The discount badges that appear on the product images are created "on-the-fly" with imagecache presets. The discount is simply applied by the administrator via a taxonomy selection. The price and the image are then updated auto-magically.

Webart Design Services Pty Ltd

Develop a User's Recommendations Module for Drupal 6 that allows an administrator, or any user role, to select products from Ubercart to add to a recommendation list. The products can be filtered by taxonomy terms if there are many products to list. These recommendations are unique to each user as the module adds a new tab to the user profile. The recommendations tab also has a text area for an additional, custom message.

Voice in the Dark

This new web site uses static XHTML / CSS code that ties in with the Volusion e-commerce solution. Provide WordPress coding and image production based on client's graphic design.

To achieve some of the image transparency effects, PNG-24 files were used. Internet Explorer does not support PNG-24 images, so using conditional comments and an IE6 specific CSS file, PNG-8 images are swapped for IE6. The IE6 render is nearly identical to other, standards-compliant browsers.

Paon Restaurant & Wine Bar, Carlsbad CA

A Drupal CMS site that has a custom, designed theme. This site is initially a landing page with a sign up form. Once the client develops content, a whole backend has already been built. Menu creation, advertising management, and e-commerce all await.

1BankOwnedHome

A Drupal 6 site using a purchased, third-party theme. The client was excited about the new site's content flexibility. For instance, the side button navigation is tied to Drupal's menu system. The client simply adds in menu items through the admin panel and the buttons are dynamically styled. (No coding!) Of course, the client can also update other content in much the same way.

Pacifica Companies

Using PHP and MySQL, develop an administration system for posting building phases, making price lists, and assigning sales agents to display with each Pacifica Companies' housing web sites. These administration pages can be easily adapted to each unique web page design with CSS style sheets.

City Career Fair

Maintain straight, embedded PHP site, which includes banner advertising support.

Rebuild old PHP back-end of the City Career Fair job bank. Optimize code and MySQL database and add enhanced security features with much improved form validation. Create standardized paging function for search results. Repair broken or incomplete functions. Make the site more ADA and

Section 508 compatible. Enhance the banner advertising system to allow for right-side ads and to give finer control of ad placement.

MeansBusiness, Inc. and 1to1 MeansBusiness

Conceptually develop web pages and user interaction with management and development teams. Design user interface. Graphic design of web pages.

Code HTML, CSS, Javascript, and VBscript via Visual InterDev and ASP running on Windows NT servers.

Design and create certain image content. Design and create Flash content. Design, co-write, and produce banner ads, "offer web pages", and print ads.

Joseph A. Wetzel & Associates

Produce permanent display art installed at the Long Beach Aquarium of the Pacific, Long Beach, California. Digitally manipulate marine photos for the piece, as well.

Produce "Dive Cards" displaying aquatic species in the Long Beach Aquarium of the Pacific, Long Beach, California. Digitally manipulate marine photos for the piece, as well.

Tweedy/Borelli & Associates

Design and produce direct mail apparel catalogs.

M.F. Blouin, LLC (aka NewGround)

Design and produce a series of varied-sized posters for financial institutions.

D.C. Heath & Company

Scan and colorize line drawings for student consumable workbooks.

Ligature, Inc.

Create and composite artwork for "Literature Works" K-12 reading textbook series.

Ibis, Inc.

Create and correct existing Illustrator vector art for Addison-Wesley biology textbook series.

Composite images for various projects.

Bronner Slosberg Humphrey (aka Digitas)

Direct mail ad and art production.

Restore Olmsted's Waterway Coalition

Design and develop "A Citizen's Guide to the Muddy River", a two-color, large format, informational map of the Muddy River and Jamaica Pond.

ThunderHouse, Inc.

Design and create image content and composite imagery for a video presentation.

Education	Bachelor of Arts, Mass Communication Print Journalism (Graduated summa cum laud with honors)
May 1986	1984 to 1988, Society of Professional Journalists/Sigma Delta Chi
Emerson College	1983 to present, Alpha Pi Theta
Boston MA	1984 to 1985, Managing Editor of the student newspaper, <i>The Berkeley Beacon</i> 1982 to 1986, Honor Society 1982, Producer/Writer, WERS-FM morning news

Affiliations	2018 to 2020, President, Parkwest Condominiums Board of Directors 2015 to 2018, Vice-President, Parkwest Condominiums Board of Directors 2013 to 2014, Architectural Committee, Parkwest Condominiums Board of Directors 2001 to 2003, Chair, VSA arts of Massachusetts 1999 to 2001, Vice-Chair, VSA arts of Massachusetts 1995 to 2003, Board of Directors, VSA arts of Massachusetts 1997 to 1998, Board of Trustees President, Sutton Pond Condominiums 1995 to 1998, Board of Trustees, Sutton Pond Condominiums 1988 to 1991, Editorial Board, Boston Center for Independent Living 1988 to 1990, Board of Directors, Massachusetts Coalition for Citizens with Disabilities
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