

CHARLES R. GROSVENOR JR.

Design portfolio available by request

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Please send email, do not call

CAREER SUMMARY

Software professional who works with a team or individually to produce solutions to fulfill indistinctly defined projects. Proven ability to communicate and collaborate with team members, acquire new skills in programming languages, create visually pleasing interfaces, troubleshoot existing code, and complete projects that meet and exceed target goals.

CORE FUNCTIONAL COMPETENCIES

- Front End Programming
- Web Technology
- UI Design
- Graphic Design

TECHNOLOGICAL KNOWLEDGE

Platforms Windows, Linux

Languages HTML, JavaScript, jQuery, CSS, Backbone.js, Bootstrap, PHP, Perl, XML, SQL, JSON, Java, JSP, FLEX, ASP.NET, C#, LINQ, C, C++, Assembly Language, Visual Basic

Tools Visual Studio, Adobe Photoshop, Illustrator, Flash & Dreamweaver

PROFESSIONAL EXPERIENCE

DCU, Marlborough, MA

UI/UX Contractor, 2016/08 - 2016/12

Sole front-end engineer responsible for the coding & redesign of a micro-lending website (*Axuda.org*).

Implement redesign of site homepage from a Photoshop mockup. Redesign and code in HTML/jQuery/C# internal pages of website based on styles and design language of the homepage. Collaborate with back end developers in an Agile environment to develop new features for existing website.

- Create a responsive desktop & mobile friendly experience with Bootstrap
- Refactor existing codebase to improve page load times and implement proper coding practices
- Improve error handling and feedback in user forms.
- Use a C# library to create a service for replacing fields in a legal PDF for display to the user
- Create UI design and workflow specification documents for new projects
- Use ASMX and WCF services in C# for RESTful websites

CVS Health, Woonsocket, RI

Senior UI/UX Software Engineer, 2014/02 - 2016/06

Senior front-end engineer responsible for the maintenance and new functionality of a large eCommerce website. Collaborate with a team of back end developers and QA engineers to maintain and add new functionality using HTML, JavaScript, jQuery.

- Implement pixel perfect implementation of Photoshop layout mockups in HTML with emphasis on 508 compliance and mobile/desktop responsive layouts.
- Develop responsive HTML email that would render correctly on Gmail, Outlook, and Apple Mail for both desktop and mobile views using Bootstrap.
- Enhance user experience through the use of jQuery and Javascript to provide error checking during form entry, custom AJAX spinners, and mobile navigation on responsive HTML pages.

Cithaeron Partners, Burlington, MA**Software Engineer, 2012/10 - 2013/12**

Sole software engineer responsible for development of two web front end interfaces for a binary options trading system. Collaborate in an Agile environment with a team of back end developers and QA engineers to produce front end clients in FLEX, PHP and HTML.

- Enhance and extend an event-driven front end client in FLEX to interface with a Java back end using SOAP and XML for communication to enable customers to trade binary options.
- Develop a responsive website with PHP, HTML, JavaScript and JQuery to enable customers to view financial statements on desktop and mobile web browsers.
- Develop a responsive website using Bootstrap with PHP to enable customers to create a user account and provide financial information on desktop and mobile web browsers.
- Configure a FLEX app to interface with RIA Test to enable automated QA testing.

SAIC, Southbridge, MA**Software Engineer, 2003/10 - 2012/09**

Sole software engineer responsible for design and implementation of multiple websites and middleware applications to automate tasks involved in producing LMS driven courseware.

- Develop a website application in ASP.NET and C# to interface with SQL Server 2008 to generate courseware storyboards in HTML and error check software. Increase productivity of instructors by enabling spell check, converting PDF documents into image files, and error checking courses.
- Develop a replacement storyboard application in ASP.NET and C# with SQL Server 2008 to allow instructors to create a first draft of courseware in conjunction with the customer.
- Develop an application in Visual Basic to interface with third party courseware software via a Microsoft SQL 7 database. Reverse engineer the unpublished database schema to generate SCORM XML documents, error check course content, and generate storyboards in XHTML & CSS for output to screen and paper to reduce courseware developer time.
- Collaborate with remote courseware instructor to build interactive Flash applets using Actionscript 2 and Actionscript 3 to provide users with interactive feedback during courses.
- Design and implement an issue tracking system in ASP and JavaScript connected to a Microsoft SQL 7 database. Enable clients to report issues in courseware during reviews, which eliminates the need for sending hand marked galleys in the mail to reduce QA turnaround.
- Create an Adobe Captivate course to demonstrate the use of interactive issue tracking system in order to increase usage of system.
- Reverse engineer Toolbook generated courseware to produce HTML of individual slides so that storyboards of courseware developed by a third party could be rewritten faster by instructors.
- Troubleshoot Microsoft SQL Server database to repair corrupt courseware tables and save hundreds of hours of work by courseware developers due to a lack of backups.
- Provide technical assistance for customer when new Internet browser releases caused a defect rendering courseware inoperable.
- Coordinate with remote IT staff to support Microsoft 2000 and 2008 servers, installation of Windows OS, and Windows applications in order to reduce down time for instructors.
- Perform SCORM testing of courseware before shipping to customer for use on LMS and reduce returned software from the client to reduce acceptance time of software and reduce courseware returned for defects.
- Coordinate a successful move of office with a moving company and electricians.

onExchange Inc., Cambridge, MA**Software Engineer, 2000/06 - 2003/10**

Front end engineer responsible for collaborating with a team of engineers and QA professionals in a fast-paced Internet startup environment to extend and enhance a web browser based trading application and administration interface.

- Design and implement over 200 pages of a web based front end using Java servlets and beans, HTML and JavaScript for a financial trading application to interface with J2EE on a Weblogic server to enable customers to trade future commodities.

- Extend and enhance an administration tool in JavaScript and Java to enable administration users to manage customer accounts.
- Design new graphics for customer interface using Adobe Photoshop in order enhance customer experience.
- Collaborate with a graphic designer to create a corporate website to advertise company products to prospective customers.

Simplex, Westminister, MA**Software Engineer, 1999/08 - 2000/01**

Embedded software engineer responsible for the design, documentation, and implementation of corporate fire alarm system embedded software.

- Design a bootloader for an 80296 system to enable other developers to port existing 8096 code to new architecture.
- Document hardware architecture from a software point of view to instruct other software engineers of system design during initial development of new flagship product.

SierraCom, Hopkinton, MA**Software Engineer, 1998/02 - 1999/08**

Embedded software engineer responsible for collaborating with a team of hardware engineers responsible for design and implementation of production and test code used in a microwave radio.

- Create software for a test board used to design a microwave modem to assist hardware engineers during development.
- Write troubleshooting software for modem design in C and Assembly for HC12 processor to decrease hardware development time.
- Evaluate various emulators and SNMP clients to determine which should be included in the product.

Summit Technology, Waltham, MA**Software Engineer, 1996/07 - 1998/02**

Embedded software engineer responsible for collaborating with a team of hardware engineers to develop a real time embedded flagship medical product in an FDA reviewed development environment.

- Design software for a protocol switch between RS-232 and I2C in order to track system usage.
- Develop new features in C and 80186 Assembler to provide customers with additional functionality.
- Perform unit testing of existing code base to reduce defects in software code.
- Perform interactive QA testing of software to comply with FDA guidelines for proper software testing.
- Attend trade shows to present new software features and gather feedback from customers about new user interfaces.

Racal-Datacom, Boxboro, MA**Software Engineer, 1995/06 - 1996/07**

Embedded software engineer responsible for collaborating with a team of hardware engineers to maintain a real-time embedded network system.

- Troubleshoot flaws in existing code base with C and Assembler programming language in embedded networking systems: hub management, packet filtering, and packet repeaters with a variety of LAN protocol in order to improve functionality of product.
- Design a website in HTML for in-house demonstration of ASDL product to demonstrate product to prospective customers.

ADDITIONAL PROFESSIONAL EXPERIENCE**ChuckyG.com**, Auburn, MA**Website Owner / Software Engineer**

Web developer for self-employed business to design and develop multiple award-winning websites using PHP, Perl, JavaScript, jQuery, Backbone.js, HTML5, CSS3, and Bootstrap to generate income via ad revenue.

- Develop custom scripts in PHP and Perl to gather user input and generate new pages.
- Use Google analytics and SEO practices to drive traffic to various websites.
- Provide advertising and marketing to customers.
- Publish two books with a professional publisher based on the content of two of the websites.

EDUCATION**BS in Computer Science**, Fitchburg State College, Fitchburg, MA

Relevant coursework in Pascal, C, Assembler and Microcontroller theory

Certificate in Graphic Design, Assumption College, Worcester, MA

Relevant coursework in Adobe Photoshop and Illustrator

New Horizons, Burlington, MA

Coursework in Java Programming

University of Massachusetts, Lowell, MA

Coursework in C++ Programming