Brad Mason

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Objective

To obtain a position in the software engineering field, with particular interest in web applications, mobile apps, and client-server architecture.

Skills

- C# & ASP.NET, Node.js, JavaScript, HTML/CSS, PHP, C/C++, Java
- Git / Github, MongoDB, MS SQL Server, Azure
- Visual Studio, Bash, Powershell, Netbeans, Eclipse, Sketch, Adobe Photoshop
- Windows, OS X, Linux

Work Experience

Software Engineer *@ Acatar*   *February 2013 – Present*

- Worked with a small team to design and implement an online learning platform from the ground up
- Worked on various projects and libraries from the front-end, to the mid-tier, and all the way back to the database
- Learned how to organize and optimize code for maintainability and extensibility
- Used MVC pattern to separate data models, actions & logic, and UI
- Utilized MVVM pattern to deliver JSON from an API to the front-end and display it using Knockout.js
- Built a completely modular, component-based drag-and-drop content creation system and helped other developers write their own components for it
- Learned and applied SOLID principles to my code and development workflow
- Helped prototype and subsequently develop a new version of platform built on Node.js
- Built a custom, component-based style for the new platform using LESS. The LESS was dynamically brand-able, modular, and designed to be easy for other developers to utilize and extend
- Wrote re-usable client-side libraries to handle pop-up modals and dropdown menus
- Worked closely with a junior developer to provide mentorship, training, and guidance
- Wrote unit tests for modules and in-house libraries to ensure they functioned properly
- Documented features, workflows, and guides for various features and tools
- Presented technical topics to both developers and business users

Front-End Web Developer *@ KIT Solutions, LLC.*   *August 2012 – February 2013*

- Debugged and fixed UI issues in HTML, CSS, and JavaScript
- Wrote JavaScript to improve the user experience and increase interactivity
- Introduced SASS workflow to projects and helped to create guidelines and best practices
- Restructured legacy HTML to improve layout and fix rendering bugs
- Used Photoshop for light image editing

Software Engineering Intern *@ FMC Technologies, Inc.* *February 2010 – May 2012*

- Designed and implemented a web front-end for their next-generation product, using PHP, MySQL, Apache, HTML/CSS, XML, and JavaScript
- Updated a webapp running on embedded hardware to take advantage of newer client-side technologies
- Maintained legacy C/C++ programs and tools
- Wrote a tool in C++ for reading and extracting data from proprietary binary file formats
- Built prototype systems using small form-factor Linux environments
- Prototyped mobile applications using the Android SDK
- Ran software tests and recorded bugs

Education

Software Engineering Degree *@ Penn State Erie* *September 2006 – May 2011*

- Studied at Penn State Erie, The Behrend College for a degree in Software Engineering
- Worked at the Student Tech Support Desk, provided both hardware and software support to students and managed on-campus computer labs