

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, JavaScript & Node.js, React, TypeScript & Angular2, HTML/CSS, PHP, C/C++
 - Git / Github, MongoDB, MS SQL Server, Azure
 - Visual Studio, Bash, Powershell, Netbeans, Eclipse, Sketch, Adobe Photoshop
 - Windows, macOS, Linux
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Work Experience

Robot @ *Robots & Pencils Inc.*

December 2018 – Present

- Worked with clients to upgrade existing web application to a responsive design utilizing React
- Learned & used React framework, built & modified modular, reusable components

Software Engineer @ *Lynx Technology Partners, Inc.*

June 2017 – November 2018

- Utilized Angular framework to build out front-end for multiple standalone web applications
- Implemented open-source component libraries such as Angular Material & Clarity Design System
- Developed custom, reusable components & views
- Wrote & maintained unit tests for front-end components
- Worked with a remote team to gather requirements, track progress, and implement changes

.NET Consultant @ *Select International*

June 2016 – May 2017

- Refactored legacy codebases into a Web API project powered by ASP.NET Core and Angular2
- Wrote reusable client-side components for commonly-used UI functions using TypeScript
- Explored and implemented a custom, private npm library of components to ease development across projects
- Utilized the mediator pattern for building modular, decoupled back-end components
- Used Entity Framework to query and persist data to the database
- Wrote and maintained unit tests for both front and back-end code

Software Engineer @ *Acatar*

February 2013 – June 2016

- Was part of a successful startup from the early days to acquisition, and beyond
- 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, 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

- Helped prototype and subsequently develop a new version of platform built on Node.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
- 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 web application running on embedded hardware to take advantage of more modern 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