

Jonathan Haywood

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Full stack .NET web developer with over a decade of diverse industry experience. A hard-working, driven professional with the ability to work independently, communicate effectively and a proven track record of producing quality software. Innovative problem-solver and passionate about using best practices in software design and architecture.

PROFESSIONAL EXPERIENCE

Care Continuity

Senior Web Applications Developer, November 2016 – Present

- Worked with fully remote development and QA teams using an Agile software development process, Gitflow, continuous integration and Azure-based infrastructure to deliver hundreds of major releases, bug fixes and features to end users.
- Created a cloud-based job processing system in C# that would export large datasets from a SQL database to Azure blob storage that the system would translate to an excel or CSV file that the end user could download.
- Re-implemented primary ASP.NET MVC product as a single page React application backed by an ASP.NET Core API backend. Included JWT web token authorization, permissions, automatic session expiration and error reporting.
- Created many reusable React components, including a custom grid that interacted with backend API's and automatically handled dynamic filtering, paging and sorting by using Redux, Redux sagas and dynamic attaching to the Redux store.

Rainstorm Technologies

Senior Web Applications Developer, April 2014 – November 2016

- Architected and implemented a cloud-based ASP.NET Web API service for a greenfield application that handled data retrieval from SQL, authentication, permissions, caching, heavy use of IoC/DI, cloud based message queues and encryption (working with a remote team distributed across the country).
- Worked with an international virtual team of clients, project managers and designers to build a custom content management system using KnockoutJS and ASP.NET Web API to support e-commerce and online virtual conferences for over 30 sites and over 100,000 users.
- Identified team pain points and reworked old code into reusable components; examples include building a custom jQuery taxonomy plugin to handle displaying 17,000 hierarchical categories as well as utilizing MEF to dynamically load .NET libraries that interfaced with video service providers such as YouTube and Vimeo.

New Century Software

Software Engineer, July 2012 – May 2014

- Built company's first web-based pipeline integrity application using ASP.NET MVC 5 and ExtJS which interfaced with complex GIS REST services and mapping components allowing users to interact in real time with multiple years and millions of data points of archived pipeline survey data.
- Worked with an Agile team to create a Bootstrap, KnockoutJS and ASP.NET Web MVC application that enabled users to validate and stage large dumps of GIS data stored in an Oracle database and merge it with existing production data, an industry first.
- Wrote a custom JavaScript web map component, used across a couple of products, which wrapped complex GIS configuration and REST calls with an easy to use API.
- Developed a command-line .NET tool to efficiently import hundreds of thousands of rows of local data into an Oracle database, process the records with low-level GIS COM objects, and accurately spatialize data the records for display using a web map.

EDUCATION

COLORADO STATE UNIVERSITY, Fort Collins, CO

Bachelor of Science in Computer Science

Minor: Mathematics