Daniel Murphy

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Senior software engineer

WORK EXPERIENCE

Intra-spect Reporting   09/2025 - Present
Part owner

- Launched a mobile app using React Native for iOS and Android, enabling users to create inspection reports, with a projected launch in early 2026.

Capitalize   11/2021 - Present
Sr. Software Engineer

- Facilitated the launch of new subscription services by integrating Stripe billing into a React application, improving customer satisfaction through seamless transactions.
- Led the development of a B2B advisor platform, built in React and integrated with our existing enterprise APIs, that streamlined the rollover process for advisors and increased overall advisor client satisfaction.
- Enabled SSO login for major advisor firms, including support for firm-specific identity providers.
- Built automation scripts using Puppeteer to streamline and reduce manual steps in the rollover process.
- Developed a React-based embedded webview that enterprise partners can integrate within their platforms to facilitate rollovers into their IRA products.

Novetta   07/2020 - 11/2021
Frontend Developer

- Developed the frontend for a government workflow application using Typescript, React, Semantic UI, SASS, Webpack, Yarn, Apollo, Mobx, Jest, with REST/GraphQL backend.

Tiger Team Consulting   04/2019 - 06/2020
Software Engineer

- Worked on updating a PIM software suite for an international client.
- Updated legacy clients and also led a complete rewrite of legacy clients from jQuery/Backbone to VueJS, Vuex, Vuetify, ES7, and SASS.
- Used C# on the backend with Azure and Microsoft SQL Server DB.

Unisys   01/2017 - 04/2019
Software Engineer

- Built a responsive Angular 7 Typescript web app for broker applications, handling credit card payments, and searching/viewing receipts.
- Wrote Jasmine tests for 80%+ code coverage.
- Updated and refactored an existing Angular 2 application to Angular 6 for better performance and maintainability.
- Fixed Webpack build process so web and mobile builds could be automated.
- Refactored existing codebase into AMD modules, added a build process to minify and combine files, and implemented a more efficient cache busting mechanism for increased performance.

Atlasly, LLC   01/2017 - 01/2018
Owner

- Supported a client's existing Cesium.js geospatial temporal application and added new features using AngularJs and D3.

Patrocinium Systems   10/2015 – 01/2017
Senior Engineer

- Lead full stack developer on a 3D geospatial and temporal web application using CesiumJS, D3, AngularJs, Bootstrap, NodeJs, Hapi, and ElasticSearch as the datastore.
- Managed a small team to meet short deadlines.
- Responsible for deploying/maintaining the application on AWS with Elastic Beanstalk and S3.
- Developed a patent for emergency visualizations methods in which the application is based on.

Ringtail Design   03/2014 – 06/2015
UX Developer

- Worked on a C#.Net 3D geospatial and temporal desktop application that was made for both touch screen and keyboard/mouse for the Department of Defense.

Information Management Services   05/2009 – 03/2014
Software Developer

- Developed a C++.NET and Java Swing applications desktop to read/visualize cancer records.
- Worked on a compiler that compiled a C like language into Groovy using JFlex and CUP.
- Added threading to a C++ program that increased the throughput of the application up to 300%.

EDUCATION

Bachelor's in Computer Science with minor in Mathematics

Towson University   Towson, Maryland, USA • 09/2006 – 05/2009

AWARDS & SCHOLARSHIPS

First place   01/2013
Health Hack DC

Second place in an mobile app contest   01/2011
SBA

VOLUNTEERING & LEADERSHIP

Cape Royale Fire Department   04/2024 - Present
Volunteer firefighter   Coldspring, TX

Boat rescue, traffic control, structure and forest fires

PUBLICATIONS

Interactive emergency visualization methods. Patent No: US 9794755 B1.   10/2017

SKILLS

LANGUAGES/TECHNOLOGIES: Angular, AWS, C, C#, C++, Cesium, D3, Docker, ElasticSearch, Express, Git, GraphQL, Java, JavaScript, Jest, Mobx, MongoDB, NodeJs, Postgres, React, React Native, Redux, REST, SQLite, TypeScript, Vue, Vuex