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Daniel Murphy

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LANGUAGES/TECHNOLOGIES

- JavaScript, TypeScript, Java, C, C++, C#
- Angular.js, Angular v2-4, Node, Express, React, Vue, Cesium, Leaflet, D3, MongoDB, SQLite, Neo4J, ElasticSearch, Git, Webpack, Jenkins, Karma, Jasmine, Selenium, JavaFx, AWS, WebLogic, Nginx, Tomcat, and Docker.

EMPLOYMENT

Software Engineer **Unisys** **January 2017-Now**

- Contracted to CBP as a full stack web developer.
- Created a responsive Angular 4 web app which handles credit card payments and searching/viewing receipts.
- Updated an existed Dojo web app with new functionality and refactored existing codebase into AMD modules. Added a build process to minify and combine files for increased performance. Implemented more efficient cache busting mechanism.
- Made updates to Java REST API backend endpoints.

Owner **Atlasly, LLC** **January 2017-Now**

- Supported a client's existing Cesium.js geospatial temporal application and added new features using Angular.js and D3. Managed deployments and services on AWS.
- Worked with a client to develop their Angular 4 application. Built app with Webpack and deployed to Digital Ocean. Setup a Cloud DataStore service on the Google Cloud Platform.

Senior Engineer **Patrocinium Systems** **October 2015-January 2017**

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

UX Developer **Ringtail Design** **March 2014-June 2015**

- Worked on a C#.Net 3D geospatial and temporal desktop application. Added ability to create military graphics on the globe using touch UI/UX. Added line graph visualizations for globe entities, displaying changes in real time with ability to DVR.
- Developed a web app using Node.js, Express.js, Neo4j, Angular.js, D3, and Three.js. Used Three.js for the 3D geospatial view and D3.js for the 2D node/relationship view. Also created a JavaFx application for editing data for the web application.

Software Developer **Information Management Services** **May 2009-March 2014**

- Developed a C++.NET application to read/visualize cancer records.
- Designed and developed a Java swing program for searching a drug database using Lucene.
- Developed a Java swing application that enabled creating/editing/executing of Groovy scripts for analyzing cancer research data.
- Worked on a compiler that compiled a C like language into Groovy using JFlex and CUP.
- Added threading to a C++ program that calculates best fit lines for cancer data which increased the throughput of the application up to 300%.

EDUCATION

Towson, Maryland, USA **Towson University** **September 2006-May 2009**

- Bachelor's in Computer Science with minor in Mathematics

AWARDS/PATENTS

- **Second place** in an mobile app contest run by SBA in 2011.
- **First place** at the 2013 Health Hack DC.
- **Interactive emergency visualization methods**. Patent No: US 9794755 B1. Oct. 17, 2017

CLEARANCES

- **Active DHS clearance**