

Derek Murphy

Software Engineer | Chicago, Illinois

Front-end focused engineer with 3 years of experience in web applications and a background in graphic and web design.

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SKILLS

Javascript, React, Typescript, Node.Js, Redux [4 yrs], MongoDB, Mongoose [2 yrs], AWS (DynamoDB, S3) [3 yrs], Tailwinds, HTML & CSS [6 yrs], Python [1 yrs], RESTful API Design, Typography and Design Principles, Agile Development & Scrum, Team Collaborator and Cross Functional Communication

EXPERIENCE

Software Developer @ [Schneider Electric](#) | [Motion Recruitment Partners](#)

(May 2022 - May 2023)

Development and Maintenance:

- Developed and maintained a React TypeScript product configurator, optimizing client model selection.
- Utilized Redux and memoization, ensuring efficient state management and form responsiveness.
- Led the redesign of the bill of materials page in React, enabling dynamic updates and persistent state.
- Integrated ExcelJS to enable creation of dynamic BOM and downloading of associated BIM models.

Optimization:

- Automated database maintenance tasks, including image detection scripts, improving data integrity and user experience.
- Implemented regex scripts to improve search functionality as well determining qualification for green energy certification, dynamically displaying identifiable icons which were limited to changing descriptions and qualifications.
- Simplified and refactored reusable code segments, enhancing codebase efficiency and maintainability.

Design and Communication:

- Offered design consultation during meetings with UI/UX teams to help determine design considerations as well as realistic time budgeting from the engineering team.
- Met with clients to help troubleshoot errors and identify blind spots in the existing UI.

Software Developer @ [Civic](#)

(2021-2022)

Project Conversion:

- Successfully translated a complex React Native mobile application into a fully functional, responsive browser-based React application.
- Implemented advanced media queries to ensure a seamless user experience across various devices and screen sizes.
- Leveraged React Context for efficient state management and to streamline the user experience.

Enhanced User Engagement and Connectivity:

- Integrated Google Maps API to improve user interaction and event location services, facilitating the connection of over 1,000 monthly active users in the NYC public with more than 100 events hosted by 30+ community organizations.

EDUCATION

Software Engineering Fellow @ [General Assembly](#) (Oct 2019-Jan 2020)

Built 4 full-stack projects during 12 week full-time software engineering intensive, with 500+ hours of in class and self-guided study.

BFA in Digital Media @ [U. of Massachusetts Dartmouth](#) (Sept 2011-May 2015)

4 year design program with a focus on web design, UI/UX, typography, animation and motion graphics.