

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

Advanced: Javascript, React, Typescript, Redux, Node.Js, Express, Tailwind, HTML & CSS, Git Version Control

Intermediate: Jest, MongoDB, Mongoose, Python, AWS (DynamoDB, SQS, S3), RESTful API Design

Additional Skills: Design Principles, Figma, Agile Development & Scrum, Collaborator & Cross Functional Communicator

EXPERIENCE

Software Developer @ Self Employed | *June 2024 - Present*

- Designing and developing a web based application for storing recipes and planning weekly meal schedules to track and hit macro nutrition goals. Utilizing MERN stack for an optimal javascript based project. Leveraging Redux for clean state management and Tailwind for responsive design.

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 for efficient state management, querying, 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 invoices and downloading of associated BIM models.

Optimization:

- Automated database maintenance tasks, including image detection scripts, improving data integrity.
- Implemented regex scripts to improve search functionality as well determining qualification for green energy certification , dynamically displaying icons based upon changing descriptions and qualifications.
- Identified legacy and 'spaghetti' code to refactor into modular code segments, enhancing codebase efficiency and maintainability.

Design and Communication:

- Offered design consultation during meetings with UI/UX teams to achieve clean and consistent design within the engineering teams time budget.
- Met with clients to help troubleshoot errors and identify blind spots in the existing UI.

Software Developer @ Civic | *Nov 2021-May 2022*

Project Conversion:

- Successfully translated a complex React Native mobile application into a fully functional, responsive browser-based React application.
- Implemented advanced media queries and accessibility best practices to ensure a seamless user experience across various screen sizes and devices.
- 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.

Graphic & Web Designer @ TresDiana, The Artists Working, Aqualeisure Industries | *May 2016 - Nov 2019*

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.