

# Joseph McGreene

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<https://josephmcgreene.github.io/JosephMcGreene/>

A software engineer and self-motivated, lifelong learner with excellent written and verbal communication skills and efficient problem-solving abilities, looking for a full-stack development role in which I can contribute to new technologies, expand my skill set, and ideally, save the world.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Java

**Libraries/Platforms:** React+React-Router, SASS (SCSS), Bootstrap, Node/Express.js, MongoDB, Three.js

**Other Tools/Knowledge:** Git/Github, npm/CLI tools, Webpack, HTTP, JSON, WCAG 2.1 (A & AA), REST APIs, OAuth2.0, responsive design, cross-browser compatibility

## EXPERIENCE

**Web Developer / Advizot, LLC**

*Feb 2022 - Present*

- **Tech Stack:** HTML, JavaScript, React, React-Router, SCSS, Node + Express.js, MongoDB, OAuth2.0
- Developing a full stack web application that captures 100+ users' answers to monthly survey questions to be easily displayed and utilized during member meetings, leverages React and Formik to structure the interface and display the users' inputs on a central projection, storing user statistics on a MongoDB database using a NodeJS server in order to be referenced and scalable for the purposes of long term professional coaching and data analysis
- Updated the layout of Advizot's existing website with its content management system. Thus far I've improved performance 19%, given it WCAG AA accessibility and made it responsive, and implemented cross-browser compatibility measures

**Web Development Mentor / OpenClassrooms**

*Oct 2022 - Present*

- **Tech Stack:** HTML, CSS, JavaScript, React, Node + Express.js, Git
- Guide 5+ students at a time through project-based lessons in web development and assess their progress and readiness to advance to new skills
- Provide basis of understanding for industry best practices and basics of front end technologies, including HTML, CSS Flexbox and responsive design, ES6 DOM manipulation and data structuring, Express.js routing and user auth, REST APIs, React basics, and Git basics

## PROJECTS

**Game Application: 2048**

*Aug 2021*

- **Tech Stack:** HTML, JavaScript, React, React-Router, Bootstrap, CSS, NodeJS, Express.js, MongoDB
- Acted as Project Manager in designing an innovative, two-player take on the web game 2048 using React.js for the UI, JavaScript for the gaming logic, and Node.js / Express.js with Socket.io to extend back end functionality to two-players.
- Spearheaded the front-end and visual design: CSS3, UI/UX of the product and landing page to enhance usability, writing clean, semantic HTML, ReactJS, React-Router, and SCSS to streamline the teamwork process throughout the one-week software deployment cycle.
- Collaborated with small engineer team to communicate about testing and problem-solving, to find technical and performance solutions, working under a fast-paced project management system

**D&D Monster Guide**

*Summer 2022*

- **Tech Stack:** JavaScript, React, Sass, D&D 5th edition REST API

- Designed and built a performant and lightweight guide for referencing and researching Dungeons & Dragons monsters, reducing the time it otherwise takes to research monsters by up to 50%
- Tested and iterated with the assistance of end-users to optimize the quality of the UI/UX, pivoting quickly to adopt necessary QA improvements and bugfixes
- Built from the ground up with responsiveness and accessibility as core values, being mobile-first in conception and adhering to WCAG A & AA standards

## **TRAINING & EDUCATION**

**Front-End Web Development Program Graduate, Treehouse**

*April 2020 - Aug 2020*

- <https://teamtreehouse.com/profiles/josephmcgreene>
- Provided basis of understanding for computer science fundamentals, front end basics, and industry best practices

**Dual B.A., Psychology and Music Theory & Composition, The College of Idaho**

*Sept 2011 - May 2015*