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SUMMARY

Fullstack Software Engineer with a proven ability to systematically identify project needs, deliver quality solutions in a timely manner, and thrive in both solo and collaborative settings. After 7 years as a CAD Detailer, responsible for detailing projects worth \$50M+, my awareness of all potential project variables allowed me to confidently forecast expenses and timelines. Collaborating with peers, leadership, and third-party vendors on various projects throughout my career has shaped my collaborative process, finding solutions through supporting and respecting each person's ideas and creativity. With a passion for personal growth, I attended a 1,000+ hour coding bootcamp, which focused on JavaScript, React, and Node.js. I am confident that my skills and experiences, acquired over a successful professional history, will make me a great fit in a software engineering role.

SKILLS

- **Languages:** HTML, JS ES6, CSS, Go, C#
- **Frameworks:** Node.js, Express.JS, MERN, GraphQL, Redux
- **Libraries:** React, jQuery
- **Databases:** MongoDB
- **CICD:** GIT, AWS, Apache, Mocha

In a developer role at your company I will...

- Code within company coding standards and styles.
- Learn how to leverage the current CICD pipeline in place.
- Build responsive frontend designs to spec per the UX design.
- Build out API routes per RESTful design structure.
- Diligently prioritize multiple projects to ensure timely results.
- Be coachable and inviting of constructive criticism.

EDUCATION

Redwood Code Academy

Irvine, CA 2019-2020

Learned industry best practices and practical software development standards with a focus on HTML5, CSS3, JavaScript, Node.JS, React, Redux, algorithms, and data structures. I created and deployed applications while learning new languages and frameworks by collaborating 40+ hours a week with senior software engineers.

PROJECTS

Minesweeper (<https://minesweeper.webdevpat.com>)

Inspired by matrix based coding challenges I decided to build out a minesweeper clone. I set a personal goal to create a copy of the original Minesweeper game using React, but I would do so without any online tutorials or guides. This version of Minesweeper is 100% my own creation, from conceptualization of how certain game logic should operate, to the planning and execution of all required functionality.

- Developed the application utilizing React while using React Hooks to manage the state and side-effects in function components.
- Functioning "Zero Propagation" utilizing a custom recursive queuing algorithm, allowing empty spaces to open all nearby empty spaces until all adjoining empty spaces and their neighbors are revealed.
- Modular function based game logic to allow for easy identification and resolution of all bugs found in testing, as well as allowing easy implementation of new features.

Portfolio (<https://webdevpat.com>)

Created this online portfolio to display my knowledge in web development. My portfolio is a self-configured AWS lightsail server that hosts all of my Live projects. I started working on the React.JS homepage multiple times testing different styling frameworks before deciding to use Material-UI, after which I moved forward with this site until completion. This project also served as my introduction to Material-UI and deploying a cloud-based web server.

- Deployed, configured, and maintained the website on an AWS server, through a virtual host setup in Apache. Simplified server interaction through WinSCP, an FTP client that handles passing files to the server.
- Designed the website in Adobe XD, and created an interaction-based animated background with HTML5 Canvas which was integrated into React.JS to help consistently deliver a high-quality intuitive UX.

EXPERIENCE

Freeman Company - CAD Detailer

Anaheim, CA 2017- Present

As part of a 4 person team, we developed detailed construction drawings for trade show exhibits for the entire west coast region totaling over 15k construction details over the course of 3 years. Worked hand in hand with my team lead to come up with creative solutions to design problems within the scope of the systems available, budget, and build time restraints.

Redwood Code Academy - Teaching Assistant

Anaheim, CA 2020-2021

Provided instruction, evaluation, and immediate feedback to 20+ students across multiple classes in HTML, CSS, GIT, JavaScript, jQuery, React, Node.JS, MongoDB, and .NET

- Assisted with classroom instruction, while communicating with teachers and administrators about course objectives.
- Hosted independent tutoring sessions with students to discuss different ways of imagining and working through problems and facilitating to conceptualize program thinking.
- Reviewed all merge requests for over 100 students' created GIT repositories.