

## TECHNICAL SKILLS

**Strong:** React, Redux, Node, GraphQL, Javascript, ES6, HTML, CSS, Less, Styled Components, Webpack, Responsive Development, Mobile First Development, Component Library Development, TDD, OOP, Agile

**Experienced:** Web Sockets, WebRTC, OAuth, PostgreSQL, MongoDB, Git, Phantom.js, JQuery, Coffeescript, Heroku

## PROFESSIONAL EXPERIENCE

### UpKeep Maintenance Management - Software Engineer

May 2018 - Present

- Migrated legacy codebase from Angular 1 to React 16 utilizing React Virtualized to efficiently render large lists of data, incorporating infinite loading to seamlessly fetch data on scroll and Redux for controlling modals, alert messages and global UI elements, improving the scalability and longevity of UpKeep's core product, the Work Order List View
- Contributed to a GraphQL API gateway that communicates with a Node API by writing queries to declaratively fetch data, mutations to manipulate server-side data and types to describe the set of data available for the client, eliminating over fetching and minimizing the data transferred between server and client for both web and mobile platforms
- Developed several full stack features by building Node API endpoints to interface with GraphQL queries and mutations, using Apollo Client to send and fetch data on the React front end, enabling users to read and manipulate work order data
- Created Styled Components to isolate and conditionally control the presentation of UI elements based on prop definitions

### SteelHouse - Front End Software Engineer

2016 - 2017

- Developed reusable React components to build a consistent UI for a retargeting advertisement template library, taking advantage of React's virtual DOM to conditionally re-render views based on specific state and prop changes
- Built out UI for the SteelHouse Advertising Suite, utilizing Redux to maintain a single source of truth for user registration data, advertising budgets and goals, and campaign and template library options, allowing for predictable state management and multiple components to subscribe to the application store
- Contributed to a proprietary React component library used across multiple products by developing utility style classes, modular UI components and documentation to ensure the quality and longevity of front end code for other engineers
- Improved SteelHouse's proprietary front end XML based language, A<sup>2</sup>, by developing features in Coffeescript and React to package Javascript driving UI state changes into language tags, allowing end users to focus on design over functionality
- Wrote succinct stylesheets with the Less preprocessor, using variables, mixins and functions for clean style composition
- Leveraged Enzyme for shallow rendering and Mocha for asynchronicity to write unit tests for React components to ensure consistent UI display across varying application states based on prop definitions
- Implemented the Intercom Javascript library in Node and React, employing API methods and webhooks to monitor user registration and application failure points, allowing customer service to send targeted messages to maintain engagement

### SteelHouse - Lead Web Developer

2014 - 2016

- Designed an A<sup>2</sup> deployment workflow tool by providing senior engineers with functional prototypes using JQuery for DOM manipulation and tracking script injections and Bootstrap for rapid development cycles
- Improved A<sup>2</sup> by incorporating CSS3 transitions and keyframes with Javascript events for step driven animations
- Hired and trained a team of five developers to write functional code to dynamically display relevant products to e-commerce customers in retargeting ad units using SteelHouse's proprietary language, A<sup>2</sup>

### SteelHouse - Web Developer

2013 - 2014

- Developed retargeting ad units using A<sup>2</sup> to display dynamic e-commerce products and CSS to achieve pixel perfect design

## OPEN-SOURCE EXPERIENCE

### Peer Connect - Peer-to-peer content delivery network

- Applied WebRTC to establish real-time, bidirectional connections between clients for the exchange of static assets, relieving server load and reducing bandwidth costs
- Implemented Web Sockets to open a connection between active clients and send relevant client data between peers

## EDUCATION

University of Maryland, College Park - B.A Sociology, Criminology and Criminal Justice

2010

**INTERESTS:** Recording and playing drums, camping and hiking, live music and swinging kettlebells