

Michael Rooze

Software Developer

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Professional Summary

- ❖ Six years of experience as a software developer with a concentration in front-end development technologies like React.js, Redux, Next.js, JavaScript, TypeScript, HTML, CSS, SCSS, MUI, Bootstrap, React Testing Library, Jest, Node.js, Express, etc.
- ❖ Extensive experience in building reusable React components, both class and functional, using the latest features like hooks
- ❖ Mastery of global state management with Redux and Redux Toolkit as well as Redux-Thunk for asynchronous action creators to make API calls
- ❖ Experience with React Router for single-page applications (SPAS)
- ❖ Hands-on experience consuming REST APIs with HTTP methods.
- ❖ Experience with optimization techniques like useMemo and pure components
- ❖ Firm grasp of authentication/authorization mechanisms like JSON Web Tokens
- ❖ Awareness of security issues like Cross-site scripting and Cross-site request forgery
- ❖ Deep understanding of web accessibility and WCAG compliance and tools to ensure accessibility like Lighthouse and Wave
- ❖ Proficiency with testing frameworks such as Jest and React Testing Library
- ❖ Involved with the entire software development lifecycle implementing Agile/Scrum methodology

TECHNICAL SKILLS

Technologies:	React.js, Redux, Next.js, Node.js, Express
Programming Languages:	JavaScript, TypeScript, HTML, CSS
Dev-Tools:	Webpack, Babel, Bash, Heroku, Bugzilla, Chrome
Database:	MySQL, SQL, MongoDB, Firebase
Testing:	React Testing Library, Jest, Cypress
Methodologies:	Agile/Scrum, TDD, BDD, Waterfall

EXPERIENCE

Charter Communications (Spectrum)

St Louis, MO - *Software Developer IV*

Oct. 2022 - June 2023

Projects: *FMS (Fallout Management System) and Helios*

Description: FMS is a React application that provides multiple features to assist sales activation agents in managing “fallouts”, which are issues that need to be resolved to complete orders. Helios is another React application that internal teams use to test buy flows with various channel partners. It allows teams to view offers, products, and prices, as well as enter incorrect data to create fallouts.

Essential Tech: React.Js, Context, MUI, React Testing Library

Responsibilities:

- ❖ Implemented, tested, and maintained software that allows sales activation agents and internal teams to resolve ordering issues and test specific buy flows utilizing the React library
- ❖ Worked effectively in a 2-week sprint Agile environment that included daily standups, retros, and story point estimates
- ❖ Used Axios library to make HTTP requests
- ❖ Referenced SwaggerHub to integrate with API endpoints
- ❖ Created effective unit and integration tests with React Testing Library/Jest
- ❖ Used BitBucket to create and review pull requests
- ❖ Tested and documented the DEV branch before using Jenkins to promote and deploy to SIT environment
- ❖ Participated in production meetings to verify the deployment of accurate packages
- ❖ Led demonstrations of our team’s progress in monthly meetings

Business Information Systems, Piney Flats, TN - *Web Developer*

October 2021 - March 2022

Project: *Star*

Description: This app, built with React and Redux, provides multiple features to assist county clerks across Tennessee in handling transactions for new license plates and vehicle registrations as well as managing inventory

Essential Tech: React.Js, Redux, HTML, CSS, Javascript, Typescript, PHP

Responsibilities:

- ❖ Designed, implemented, tested, and maintained software that handles transactions and manages inventory using React and Redux
- ❖ Participated in daily standup meetings and communicated effectively in an Agile environment with the QA team and project managers
- ❖ Integrated hardware in the use of barcode scanners on license plates
- ❖ Used Redux-Thunk middleware with Axios library to make HTTP requests
- ❖ Reviewed, refactored, and approved co-worker’s code in the GitLab environment
- ❖ Followed PCI security data standards to ensure a secure environment
- ❖ Used Monetra technologies and TranSafe to test credit cards to ensure safe and secure transactions
- ❖ Implemented React forms and form validation with inputs using two-way data binding
- ❖ Created effective unit and integration tests with React Testing Library/Jest
- ❖ Used GitLab to raise pull requests and Bugzilla to track bugs and relay progress to the QA team

Beaverton Toyota, Beaverton, Oregon - *Web Developer*

June 2019 - September 2021

Project: *Clear Path Pro*

Description: This is a web app built with React and Redux. It offers various features and tools for efficiently managing car sales in the automotive retail industry

Essential Tech: React.Js, Redux, HTML, CSS, Javascript

Responsibilities:

- ❖ Designed, implemented, and maintained web applications used by clients in the automotive retail industry using React and Redux
- ❖ Initiated responsive web design for all viewports
- ❖ Built a Virtual Showroom that pulled data from the inventory management system via API requests and displayed with server-side pagination, filtering, and sorting
- ❖ Constructed scheduling and work order tools to decrease downtime
- ❖ Developed a comprehensive feature that facilitates the entire car-buying experience encompassing financing and insurance to ongoing maintenance
- ❖ Represented web team at meetings with executives and presented project goals and milestones
- ❖ Developed routing system with React Router to ensure single-page application behavior
- ❖ Improved sales numbers through the implementation of our software

Angi (formerly Angie's List), Indianapolis, IN - *Web Developer*

August 2017 - May 2019

Project: *Job Management Board*

Description: This is a web application where service providers can manage jobs for their customers by adding notes, communicating with clients via chat service, and posting progress pictures.

Essential Tech: React.Js, Redux, HTML, CSS, Javascript

Responsibilities:

- ❖ Used React and Redux to create multiple features for service providers to manage their jobs
- ❖ Constructed reusable ES6 class components
- ❖ Involved in daily standup meetings with the product owner and Scrum master
- ❖ Built feature to add freeform notes with React forms and inputs utilizing two-way data binding
- ❖ Converted and refactored Angular code to React
- ❖ Created a chat inbox that enabled service providers to send and receive messages from their customers
- ❖ Developed a feature for service providers to post progress pictures of the job
- ❖ Worked with backend team management to integrate with REST endpoints
- ❖ Collaborated with UX designers to ensure deliverables met business expectations
- ❖ Used React testing library and Jest to create a front-end test suite

PERSONAL/FREELANCE PROJECTS

Project: *Knecht Insurance*

Description: Web application for an insurance company based out of Indiana that serves hundreds of clients

Essential Tech: HTML, CSS, Javascript, Node.js, Express, Google reCaptcha, SendinBlue

Responsibilities:

- ❖ Designed, implemented, deployed, and maintained a fully responsive web application
- ❖ Collaborated with the client in design, layout, and features
- ❖ Built contact form with Node.js/Express backend
- ❖ Integrated backend with Sendinblue API to enable email delivery
- ❖ Used Lighthouse to ensure WCAG compliance
- ❖ Integrated Google's reCaptcha security service on the backend
- ❖ Deployed application with Heroku and Google Domains
- ❖ Communicated with the client for ongoing maintenance of the site

Project: FormTree/ Invoice-Generator

Description: Web application I built for a startup company in development called FormTree that allows freelance software developers to create highly customized PDF invoices for client projects

Essential Tech: React, Redux, Material-UI, Node.js, Express, jsPDF

Responsibilities:

- ❖ Followed a Figma wireframe to produce a pixel-perfect invoice page
- ❖ Developed prototype to generate highly customized PDF invoices for clients
- ❖ Included date picker to set when the invoice is due
- ❖ Added option to customize invoice with MUI's color picker
- ❖ Used Node.js/Express server and jsPDF to construct the PDF on the backend
- ❖ Communicated effectively with clients using Agile philosophy to create the product

Project: Deftones Live

Description: Web application that allows you to search for live shows through various filters, dates, eras, and the ability to explore details for each show and song

Essential Tech: React, Redux Toolkit, React Bootstrap Table

Responsibilities:

- ❖ Displayed JSON data in React Bootstrap Table
- ❖ Refactored Vue.js code into React
- ❖ Added custom pagination and search filter to show data
- ❖ Added functionality to search data between two dates
- ❖ Implemented the newest version of React Router (ver. 6)
- ❖ Communicated effectively with the client via the Trello board
- ❖ Deployed with Amazon Web Services (AWS)

Project: Cricket Tracker

Description: Fully-responsive and stylish app that helps you track scores for up to 6 players in the classic game of Cricket (darts)

Essential Tech: React, Redux, Material-UI, SCSS

Responsibilities:

- ❖ Designed a unique and simple layout to track scores with an optional point system
- ❖ Added undo functionality for the player's score
- ❖ Managed global state with Redux
- ❖ Included features for randomizing the targets as well as the player's order
- ❖ Animated the board and added quality sound fx with the option to mute
- ❖ Deployed with Github Pages as well as Heroku

Project: Chance Chess

Description: Online multiplayer chess game where your moves are determined by drawing cards from a deck

Essential Tech: React, Redux, Chess.js, SCSS, Material-UI, Web Sockets

Responsibilities:

- ❖ Designed layout with Figma wireframe
- ❖ Utilized Fisher-Yates Shuffle algorithm to shuffle the deck on the initial render
- ❖ Edited Chess.js library to manipulate rules and board styles
- ❖ Added sidebar to display captured pieces
- ❖ Used MUI to create modals for game rules and a key to reference moves
- ❖ Features a fully customized deck of cards with sound and animation

EDUCATION

Indiana State University, Terre Haute, IN - *Bachelor of Science*

Graduated May 2012