Jay Qu

Email : jayqu95@gmail.com

Phone: (732) 516-8047

Portfolio: https://ruolinqu.github.io/myPortfolio/

GitHub: https://github.com/RuolinQu

Summary

- Creative Front end Developer with 5 years designing and implementing useful, responsive and approachable user interfaces using HTML5, CSS3, Javascript, ES6, React, Redux, React-router, Webpack, Babel, AJAX, etc.
- In-depth knowledge of React, and Node.js , Express, MySQL, and capabilities to integrate them into successful Single Page Applications (SPAs).
- Fluency manipulating resources in the abundant React community with concrete understanding of React components, JSX, Virtual DOM, Redux, Flux, one-way data flow, and other features.
- Tried proficiency adopting Redux and Redux-thunk middleware together with React to allow foreseeable state-change as well as reusable data and actions.
- Sturdy skills making use of HTML/HTML5, CSS/CSS3, JavaScript, and various other web development tools to build cutting-edge web applications.
- Acquaintance with different underlying web security loopholes including SQL injection, CORS, cross-site scripting, etc., and possession of know-how knowledge to cope with them.
- Established professionalism engaging Express, Passport, and Event Dispatcher in Node.js, into the development of server-side applications following standards and requirements.
- Demonstrated proficiency in creating interactive applications with integration of web services by utilizing RESTful API and building web service APIs complying with the REST architecture.
- Deployed the app with AWS Amplify and followed CI/CD workflow for building, deploying.
- Abilities to manage different phases of the life cycle in software development using Agile/Scrum approaches.
- Possess experience and solid knowledge in AWS services such as Amplify, EC2, and Lambda.
- Extensive expertise conducting unit tests by building test cases using Jest, Enzyme, Test-libray, Mocha, Chai, etc.
- Capabilities to use Git in software development for version control and Jira for project management.
- Dedicated team player with great passion and positive attitude and willing to share knowledge.

Skills

Front-End
- JavaScript, TypeScript, React, Redux, HTML, CSS / Sass, Bootstrap, jQuery, Jest, Enzyme , Test-library

Back-End
- Node.js, Express, Koa2, Egg.js, RESTful API, MySQL, MongoDB, Webpack / Babel, Python, Java, C++

Cloud Platforms & Source Control
- Amazon Web Services (RDS, EC2, VPC), Git / GitHub, NPM / Yarn, Linux / Ubuntu, Jira, Agile/Scrum

Work Experiences

Client: Visual Lease, New Jersey, US   Oct 2019 - present
Project: Lease Accounting Software
Description: Visual Lease is lease accounting and lease administration software specifically designed to manage the client company's real estate and equipment leases. Visual Lease embeds decades of deep lease management and financial accounting expertise. It is intuitive, easy to use, and integrates with all major ERP systems. While serving as a single source of truth for all lease data, Visual Lease manages any type of payment or lease structure, provides simple & customizable reports and business intelligence, and integrates with all client existing systems.

Responsibilities

- Developed modern single page web application using React, Redux, React-router, Axios, SCSS, Webpack, babel, etc.
- Used Node Package Manager (NPM) to manage the modules and used npm script to build, test, and lint the project with different environments.
- Implemented the Drag and Drop functionality using React-Draggable.
- Added redux-thunk, redux-promise as middleware, and original store. dispatch/gestate to handle different actions requirements such as asynchronous promise handle in components
- Created and used Reducers that received said Actions to modify the Store State Tree.
- Successfully created product add and delete features using new ReactJS web components for collaborative user editing.
- Implemented Redux along with React for state maintenance. Created Actions and Reducers to pass stateless data around components.
- Used Ant-design and React to create Controllers to handle events triggered by clients such as adding a product to the cart, pay the bill, and product report button, and then send requests to the server...
- Applied Webpack as a module bundler and Babel for compiling and building component-based React architecture.
- Created reusable Components and style sheets based on UI standards and guidelines.
- Used Agile Methodology for the software development life cycle.

Environment: HTML 5, CSS3, Sass, JavaScript, Ant-design, React JS, Redux, React Router, MySQL, XML, Jest, JSON, Node JS, Git, Restful API, JIRA, and Vscode.

Client: Virtusa, New Jersey, US   Sep 2018 - Sep 2019
Project: Virtusa Data Analytics
Description: Virtusa Data Analytics (VDA) delivers a robust ecosystem to transform raw data into actionable insights and respond on time to remain competitive. VDA helps enterprises drive efficiencies and expand opportunities by helping layout a data and analytics roadmap that helps monetize critical data assets, and drive growth.

Responsibilities

- Created a custom responsive web application to replace a legacy line-of-business web application using React.
- Used React including authoring complex directives, services, components, filters, routing, and states to support routing in single-page applications.
- Created reusable components and routing to implement navigation between the components using React.
- Implemented applications with the Lazy-Loading concept to decrease the initial payload time and downloading time for the application.
- Used HTML 5, Cascading Style Sheets (CSS3), and Bootstrap 3 to develop and implement a user-friendly UI design for the presentation layer.
- Implemented user interface guidelines and standards throughout the development and maintenance of the website using HTML, CSS, and javascript.
- For unit testing used Jest, and Cypress for End-To-End testing.
- Scaled the component interactions and generalized the interfaces using Restful web service implemented based on Python Flask.
- Developed, debugged, integrated, and deployed applications using Eclipse (IDE) and used GIT as a Version Control.

Environment: React, JavaScript, HTML5, CSS3, Bootstrap, Python, Flask, Restful Services, MySQL, Jest, Test-library Agile (Scrum), JIRA, Git, Postman, JSON, VS Code

Client: Sichuan Tengzhong, Chengdu, China   Oct 2017 - Aug 2019
Project: Construction Planning and Incident Management
Description: Sichuan Tengzhong Heavy Industrial Machinery Co., Ltd. is based in Chengdu, China. Sichuan Tengzhong is a privately-owned company known for making a wide range of road equipment, such as bridge piers, highway construction and maintenance machinery. Construction Planning and Incident Management helps management of labor, resource, material and equipment schedules. This application allows user to define phases and tasks, and then match them with the labor, materials and resources required to complete each task and phase. This application has multiple modules which are Task Management, Change Orders, Document Management, Incident Management and Reporting, Supplier Management, Contract Management, Lead and Permit Management.

Responsibilities
- Developed dynamic web pages using HTML5, CSS3, jQuery, ReactJS, Bootstrap, NodeJS.
- Implemented mock API with Node JS and Express JS and followed Json patterns as per various REST endpoints.
- Used redux middleware and Redux Sagas to handle asynchronous events/ Side effects and maintain functional paradigm.
- Worked on architectural separations for having a clear separation between reusable components and containers for connecting to Redux Models.
- Produced content pages with CSS3 layout and style markup presentations and used JavaScript methods and properties.
- Worked on Express Framework to set up middleware to respond to the HTTP requests with the help of NodeJS.
- Worked with Package managers NPM, Bower, and build tools Gulp.

- Performed the Synchronous/Asynchronous file operations and created a web server with the help of Express Using NodeJS.
- Gathered data from API/web services and updated the DOM within the result sets.
- Utilized a concept called Virtual DOM in ReactJS to create an in-memory data structure cache, enumerate the resulting differences, and then update the browser's displayed DOM efficiently.

Environment: HTML5, CSS3, JavaScript, React, Redux, Bootstrap, Git, Node.js, Gulp, Express, Mocha, Enzyme, Agile/ Scrum

Personal Projects

Bomber UI Library   https://ruolinqu.github.io/React_UI
- Built a React UI library contains a set of components for building rich, interactive user interfaces.
- Based on React/Hooks, improved and consummated high quality UI components. Implemented components includes input, auto-complete, menu, etc.
- Utilized Jest framework and Test-library for unit testing. The whole project was deployed on travis CI for continuous integration. The CI/CD workflows helps in debugging and testing, also merging components into master branch efficiently.
- Written in TypeScript with predictable static types, avoiding the constrained of dynamic language.