TRISTA CHENG

874 42ND ST, APT 4C, BROOKLYN, NY 11232

(631) 410-9491 | TRISTA.CHENG33@GMAIL.COM

PORTFOLIO: HTTPS://PORTFOLIO-TRISTA.NETLIFY.APP | GITHUB: HTTPS://GITHUB.COM/TRISTA8130

Summary

- With more than five years of experience in the IT industry engaging in front-end development, which includes accumulated years of experience using React, Redux, HTML/HTML5, CSS/CSS3, Sass, Styled Components, JavaScript, TypeScript, Webpack, Babel, Jest, jQuery, Node, Express, MongoDB, etc.
- Solid mastery of React components: Forms, Events, Keys, Router, Redux, Animations, React Hooks, etc.
- Strong knowledge using the MERN (MongoDB, Express, React, Node) stack to build modern web applications such as single-page applications (SPA).
- Profound understanding of CSS framework customization using Bootstrap, Semantic UI, Material UI in conjunction with Sass and Styled Components.
- Hands-on experience handling SDLC phases such as Analysis, Implementation, and Maintenance using Agile and Scrum methodologies.
- Fluency using Unit testing frameworks such as Jest, React-Testing-Library, Postman.
- Working experience using version control management tools such as Git.
- Familiarity with working on NoSQL databases such as MongoDB with Mongoose.
- Self-driven learner can keep up with most recent industry trends and dive into emerging development techniques.
- Dedicated team player is eager to analyze and share new knowledge with peer workers aiming for overall progress and improvement.

Professional Experience

ETOMON, NEW YORK   *Sep 2020 to May 2021*

Description
Etomon is a worldwide educational interactive platform that allows teachers to upload technical or academic certification, create multiple courses and scheduled class calendar. Then user can create student account, view or search all exist courses, purchase a course, and take online classes from anywhere.

Responsibilities
- Work closely with UX designers from ideation to prototyping to define and deliver new features
- Developed private localization library that using jquery-i18next framework for web page that created with JQuery. Use additional plugins such as use(LanguageDetector) to detect browser language, config i18n instance to inject translation resource.
- Created localize method in jquery-i18next lib to automatically check and localize every html element which has specified selectorAttr, which can avoid manually inject localize method after each element in each page.

- Developed private localization library that using react-i18next framework for web page that created with React. Use I18nextProvider to pass i18next instance, use HOC withTranslation or component Trans which provided by react-i18next to localize each component.
- Created reusable component such as course detail and course listing to show course information and approved active course.
- Create interaction screens using HTML5, CSS3, JavaScript, React, and Material UI to develop single-page applications using React Redux architecture, ES6, Webpack, and Gulp
- Use CSS preprocessors like SCSS for reusable component styles
- Use middleware like Redux-thunk in application to retrieve data from back-end and to also perform RESTful services
- Manage state within the app using Redux and persist certain parts of the state to the device via Redux Persist
- Implement modules into Node.js to integrate with designs and requirements
- Develop the flux pattern by using the Redux library as a core dependency
- Rapidly build and iterate functional prototypes using HTML5, CSS3, and React
- Involve in daily Scrum meetings to keep track of the ongoing project status and issues

Environment
HTML5, CSS3, SASS, Material UI, JavaScript, ES6, React, Redux, JQuery, Webpack, RESTful API Services, Node.js, Express, MonogoDB, Agile(Scrum), Bitbucket

OPENMENU, NEW YORK   *JAN 2020 to AUG 2021*

Description
OpenMenu is a merchant management and ordering platform for both restaurant owner and client. It provides a management interface which includes dashboard, menu editing, order history and employee management. Also provides a user interface for exploring restaurants, checking restaurants info and menu, adding dishes in cart and making a payment for order.

Responsibilities
- Worked with React props, state, keys, refs, events, default props, and propTypes.
- Experience with Redux for state management. Created store, actions, and reducers as pure functions.
- Experience with Redux middleware's - react-video, react-select, react-tagsinput, react-datagrid, react-panels, react-calendar.
- Extensive experience with Promises to make asynchronous calls and use Axios as an interface to fetch resources.
- Experience with third-party React components library like react-grid, react-sortable, react-tags, react-infinite-scroll, react-date picker, and react-tagsinput, react-select, react-video.
- Created Menu component on cline interface to display menu photos, price, details, allow user to add or reduce dish amount which also reflect on cart side.
- Created MenuEditing component on merchant interface with AntDesign, customize Table and Form ferture to full fill the requirement that allow owner to edit menu detail info such as upload photos, edit price and amount, choose category, and set lunch speical time.
- Experience with JavaScript (ES5/ES6/ES7) - Closures, Hoisting, Strict Mode, Scope, Block Scoping, Promises, Generators, Maps and Sets, String interpolation, async and await, array Extensions, modules, and classes.
- Built out Restful endpoints and lightweight aggregation layers using NodeJs frameworks such as Express, Body parser, cluster, process, Winston, Redis, passport, mongoose, lodash, etc.
- Used Mongoose Schema/Model to create, update and delete with Express controllers.

- Created Restful APIs with Express and used MongoDB for persistence and Redis for caching.
- Used Socket.IO in the adoption of Node.js by making Web Sockets both accessible and reliable.
- Created SPA (Single Page Application) by configuring React-Router. Used Browser Router for Web.

Environment
React, Redux, Javascript, HTML5, CSS, AntDesign, SASS, MongoDB, NodeJs, Express, Axios, Postman, NPM, Jest, Agile, JIRA, Git.

ABELMED, NEW YORK   *JAN 2018 to DEC 2019*

Description
ABELMed Mobile is a browser-based application that allows clients to access their medical practice Information, view their scheduled appointments, review planned treatment, consult notes and flags from patient records, and contact physicians anytime, from Anywhere. ABELMed Mobile uses the same, secure platform as ABELMed Portal to keep the client's data safe.

Responsibilities
- Responsible for creating efficient design and developing User Interaction screens / SPA using HTML5, CSS3, JavaScript, NodeJS, React.JS and Bootstrap.
- Implemented MVVM architecture using React and Redux.
- Developed single-page applications using React Redux architecture, ES6, Webpack, and gulp.
- Used CSS preprocessors like SASS for re-usable style components.
- Created charts components using High charts library.
- Used Middleware like Redux-thunk in application to retrieve data from Back-End and to also perform RESTFUL services.
- Managed state within the app using Redux and persisted certain parts of the state to the device via Redux Persist.
- Implement modules into Node JS to integrate with designs and requirements.
- Built RESTful APIs using Express and NodeJS.
- Developed the flux pattern by using the redux library as a core dependency.
- Involved in daily SCRUM meetings to keep track of the ongoing project status and issues.

Environment
HTML5, CSS3, JavaScript, Bootstrap, ReactJS, Redux, NodeJS, ES6, Highcharts, Restful Services, Agile, Git, Jira, JSON, XML, VS Code, Express, MongoDB.

CLOUD ID, NEW YORK   *NOV 2016 to NOV 2017*

Description
Cloud ID authentication federates identity and manages users for Service Providers as they expand digital access to their subscribers on the web, mobile, and connected TVs. Cloud ID is the industry's only end-to-end identity platform, securing Bill Pay, unlocking TV Everywhere apps, Wi-Fi hotspots, and Smart Home portals. Synacor can handle every aspect of authentication, freeing customers to sunset expensive legacy identity equipment, and put services in the Synacor Cloud

Responsibilities

- Involved in developing the UI, layout, and front-end programming HTML for the web application that matches the requirements of the client.
- Excellently coordinated with other teammates in project activities and ensure that all project phases are followed and documented properly.
- Designed business applications using web technologies like HTML5, DHTML, XHTML and CSS based on the W3C standards.
- Extensively involved in design discussion and user-experience sessions to provide input on the layout and UX.
- Designed the front-end applications, user interactive UI web pages using web technologies like HTML, CSS, jQuery, JavaScript, JSON, XML.
- Developed non-functional HTML/5, CSS3 pages from the mock-ups and involved in UI review with the UI architect and Business Units.
- Developed GUI using JavaScript, HTML/HTML5, DOM, AJAX, CSS3 and jQuery in ongoing projects.
- Converted the mock-ups into hand-written HTML, CSS 2/3, JavaScript, jQuery, Ajax, XML and JSON.
- Developed the user authentication and order processing modules for customer-facing applications.
- Created nested forms for users to customize the templates and ordered a print preview.
- Participated in requirements definition and story carding.

Environment
HTML 5, CSS3, JavaScript, Tomcat Apache, jQuery, Ajax, Git, Visual Studio Code.

Education

LONG ISLAND UNIVERSITY, NEW YORK
Master's of Computer Science   *SEP 2014 to DEC 2016*
- M.S. Computer Science Faculty Award and Excellence Award   GPA: 3.9/4.0

SHENYANG INSTITUTE OF ENGINEERING
Bachelor's of Engineering Management   *SEP 2007 to JUN 2011*

Project

MOCK NETFLIX   *| https://mynetflix-trista.netlify.app/*
Mocked Netflix interactive UI home page using React, HTML and CSS, created components like dropdownList, navBar, Header, Footer, ScrollBanner. Focused on responsive web design, solid mastery with flex box, grid, position.

FASION BLOG   *| https://trista-web5.netlify.app/*
Converted the mock-ups web page into hand-written HTML, CSS. Created nested layout using flex box.