Jonathan Chai

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Summary

- Over 5 years of industry experience within the IT industry as a front-end developer with more than 3 years of experience as a React Developer developing modern single page applications (SPA).
- Extensive experience in developing modern web applications using HTML/HTML5, CSS/CSS3, SCSS, JavaScript, React, Redux, React Router, Flex, jQuery, JSON, Node.js, Next.js, Ajax.
- Fully experienced in working with the MERN (MongoDB, Express, Node.js, and React) tech stack.
- Total familiarity with all phases of SDLC such as Requirement Analysis, Implementation and Maintenance.
- Strong expertise in implementing the component life cycle architecture, store actions, using Socket.IO in React Redux app to deal with real-time data.
- Profound knowledge in Redux and middleware such as Redux-Thunk along with React to realize predictable state changes along with reusable data and actions.
- Solid mastery of CSS frameworks such as Bootstrap and Foundation using CSS pre-processors SCSS as well as various UI libraries such as Material UI and Fluent UI.
- Hands-on experience in consuming RESTful services using JavaScript, jQuery, and React.
- Great experience in front-end unit testing using test runners/frameworks such as Jest and Enzyme.
- Prior experience working with both SQL and NoSQL databases such as MySQL and MongoDB.
- Strong capabilities in implementing Enterprise Applications with a full life cycle of software development using Agile/Scrum and Waterfall models.
- Fluent in using version control tools such as Git and SVN.
- Goal-oriented team player, quick learner, and self-starter with effective communication, motivation, and organizational skills.
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Technical Highlights

Web Tech:	ES6, CSS, jQuery, React, Redux, React Router, Node.js, Next.js, Bootstrap, JSON, Three.js, Zustand
Node Modules:	Express, Gulp, Lodash, NPM, Passport, Yarn
Languages:	JavaScript, TypeScript, C++, Java
Databases:	MySQL, MongoDB
Testing:	Jest, Enzyme, Mocha, Chai
Version Control:	Git, SVN
Methodologies:	Agile/Scrum, Waterfall
DevOps:	Docker, Nginx, Linux
Other:	Postman, Figma, Unity, Swagger, WordPress

Work Experience

Tailored Brands   January 2020-Present
Full-stack Developer   *Fremont, CA*

Project: Internal Custom Suit Converter + CRUD

This project is an internal tooling used by clerks located at Tailored Brand's various establishments to automate conversion between off-the-rack suits to custom try-on suit measurements and vice-versa. Custom suits are tailored based off measurements from specialized try-on suits. However due to seasonal style changes, these try-on suits need to be replaced about every 6 months which is extremely costly. This internal tool allows clerks to utilize off-the-rack suits in place of custom try-on suits which greatly decreased the need for replacement. A CRUD portal was built alongside this application to allow for seasonal changes.

Responsibilities

- Integrate a UI into the current existing internal custom suit application that allows clerks to input suit ID and relevant measurements utilizing React and JavaScript.
- Generated a MongoDB database to contain the 2,000+ suit measurements as well as a script that would autogenerate the current season's measurements.
- Created several API endpoints utilizing Java and Spring Boot that would handle calculations as well as CRUD operations for the CRUD portal.
- Designed a separate CRUD portal using React, Fluent UI, and JavaScript that allows the addition of new seasonal suit measurements.
- Implemented Dynamic Forms to allow input of all mutations of suit measurements as well as frontend data validation.
- Utilized Fluent's CSS-in-JS solution to create clean UIs quickly.
- Merged my application's state into the existing application's Redux store.

Environment: React, JavaScript, HTML5, CSS3, JIRA, Fluent UI, Git, Java, Spring Boot, Gradle, RESTful Services, OpenShift, Swagger, CSS-in-JS, Redux

Project: Catalog Migration

Part of the ongoing effort to shift the current monolithic application to a more microservice oriented architecture.

Responsibilities

- Migrate the current in-memory database to a MySQL database using Liquibase that would eventually be hosted on Oracle cloud.
- Generated general API endpoints using YML and Swagger Codegen.
- Filled the auto-generated endpoints with the equivalent Java servlet while modifying as need.

Environment: Java, Spring Boot, MySQL, Swagger, YML, Gradle, Liquibase, H2 Database, RESTful Services, JIRA

Farmers Insurance   January 2018-November 2019
React Developer   *Los Angeles, CA*

Project: Insurance Management System

Insurance Management System is an intranet system developed for agents to get quotes for their clients and to help clients making purchases. IMS manages policy life cycle including creation, renewal, endorsement, reinstatement, etc. It also maintains agency data to generate monthly sales reports for branch managers and agents. IMS uses standard Web forms, so anyone familiar with navigating and searching on the Web will be able to quickly start using it.

Responsibilities

- Worked closely with the UI/UX team to create applications for high-traffic websites using the React framework.
- Created Axios HTTP requests and interceptors in middleware such as Redux-Thunk to consume RESTful APIs and store data.
- Profiled and improved the performance and scalability of services of the web application.
- Dynamically added validators to controls using Formik to accomplish both client and server-side validation.
- Used Jest and Enzyme to write unit test cases.
- Participated in the Agile/Scrum workflow including attending daily stand-ups and seasonal sprints.

Environment: JavaScript, HTML5, CSS3, React, Redux, React Router, Jest, Enzyme, Git, JIRA, Agile/Scrum

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Nutanix   June 2017-November 2017
React Developer   *San Jose, CA*
Project: Nutanix Prism

Nutanix Prism is an end-to-end management solution for virtualized data center environments that streamlines and automates common workflows, eliminating the need for multiple management solutions across data center operations. Powered by advanced machine learning technology, Prism analyzes system data to generate actionable insights for optimizing virtualization and infrastructure management.

Responsibilities

- Responsible for the efficient implementation of designs into quality UI using HTML5, CSS3, JavaScript, Node.js, React, and Bootstrap.
- Implemented the MVVM architecture using React and Redux, ES6, Webpack, and Gulp in building SPA.
- Optimize components for maximum performance across a vast array of web-capable devices and browsers.
- Developed chart components using the Highcharts library.
- Developed using the flux pattern by using the Redux and Redux-thunk libraries as the core dependencies to fetch data.
- Involved in daily Scrum meetings to keep track of the ongoing project status and issues with outstanding communication and presentation skills.

Environment: HTML5, CSS3, JavaScript, Highcharts, React, Redux, React Router, Node.js, ES6, RESTful Services, Agile, Git, JIRA, Express, MongoDB

Calyx Technology   November 2016-May 2017
Front-End Developer   *San Jose, CA*
Project: Pointcentral Project

Pair the administrative control you want with the security you need. Offering a single, centralized database, PointCentral lets your staff work on individual components of a single file while maintaining data integrity, craft flexible, granular rules that complement your business practices and processes, increase loan quality while preventing unauthorized changes across multiple locations.

Responsibilities

- Adapt various jQuery features, such as "$.ajax", to specific needs in the development of the application.
- Built out a new client-facing administration portal using React as well as UI libraries such as Material UI and Bootstrap into the application
- Developed page layouts and other functional components such as navigation, animation buttons, and icons.
- Implemented dynamic page elements and form error validations using JavaScript.
- Migrated Waterfall to Agile methodology and effectively took part in Daily Scrum meetings to deliver the tasks and project within time.

Environment: JavaScript, HTML5, CSS3, React, Material UI, Bootstrap, RESTful Services, GIT, Agile/Scrum, Ajax

Personal Projects

Pokémon Team Builder   July 2021-July 2021
jchai.tech/projects/pokemonbuilder

- Full-stack SSR application that allows the user to create a custom Pokémon team with data specific to the selected generation.
- OAuth is handled through NextAuth.js and is linked to a user's GitHub.
- UI was built using Next.js and Material UI for clean and simple pages.
- State-management was handled using Zustand which is a Redux-like state manager.

Environment: React, JavaScript, HTML5, CSS3, React, Next.js, Material UI, CSS-in-JS, Zustand, MongoDB, NextAuth.js, Node.js, Express

Twitch Stonks[sic]   October 2019-October 2019
github.com/PeterYangIO/twitchcon2019

- Twitch extension where viewers are able to invest into "Emote" stocks where the value of these stocks fluctuate based on their frequency of use within the chat.
- Frontend was built using React and Material UI as a portal for viewers to make transactions as well as see real-time stock values.
- Backend was build using Java and Spring Boot with a MySQL database to handle accounts and transactions through a microservice architecture.
- Chat scrapper was built using Python and the Twitch API to help calculate stock prices.

Environment: React, JavaScript, HTML5, CSS3, Twitch API, Java, Python, Spring Boot, MySQL, Material UI, JWT