

Brian Yao

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SUMMARY

- Over 4 years of professional experience in front-end development using HTML/HTML5, CSS/CSS3, JavaScript, TypeScript, React, React Router, Redux, jQuery, Express, Node.js, JSON, XML, and various other web development tools to build cutting-edge web applications. Also have prior internship experience in Data Science/Machine Learning.
- Extensive experience in implementing Component life-cycle architecture, store actions, using socket.io in React-Redux app to handle real-time data, used React Router, Redux-Thunk for API calls in ReactJS.
- 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.
- Proficiency in front-end Unit Testing with Jest and Enzyme.
- Prior experience in dealing with MySQL, Oracle, and MongoDB databases.
- Professionalism in implementing Enterprise Applications with a full life cycle of software development using Agile/Scrum or Waterfall methods.
- A team player, open to criticism from all disciplines, and not afraid to share ideas with understanding that critique is part of the design process and ability to give and receive constructive feedback to improve designs and create stronger solutions.

TECHNICAL SKILLS

Web Tech:	JavaScript, CSS3, HTML5, jQuery, React, Node.js, GraphQL, Typescript
Web Frameworks:	Backbone.js, Next.js, Gatsby
UI Technologies:	Material UI, Materialize, Sass, Bootstrap, Styled Components, Tailwind
Node Modules:	Async, Express, Gulp, Request, Lodash, Browserify, npm
Programming Languages:	Scala, Python, JavaScript, PHP
Database:	MySQL, Hive SQL, Apache Spark, MongoDB
Testing:	Jest, Enzyme, Mocha, Chai, React Testing Library
Deployment:	Travis CI, AWS, Docker, NGINX
Version Control:	SVN, Git
Methodologies:	Agile Scrum, TDD, BDD, Waterfall

WORK EXPERIENCE

Cedar <i>React Developer</i>	December 2020 - Present New York, NY
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Project: Cedar Pay

- Responsible for creating efficient design and developing UI screens for the web application using HTML5, CSS3, JavaScript, Node.js, React, etc.
- Collaborated with UI/UX, Back-End Development, and Product Management to bridge the gap between design and technical implementation, taking an active role on both sides and defining how the application looks as well as how it works.
- Successfully managed the global state using Redux for the web application.

- Implemented MVVM architecture using React and Redux.
- Optimized applications for maximum speed and scalability.
- Translated static designs into interactive and fully functional web interfaces using the latest technologies and best practices such as React Redux architecture, ES6, Webpack, and Gulp.
- Created reusable styled components using CSS preprocessors like SCSS.
- Coded for evergreen browsers, allowing use of the latest JavaScript features, advanced CSS Grid layouts and more while avoiding potential browser compatibility issues.
- Retrieved data from Back-End and consume RESTful services using Middleware like Redux-Thunk during the development of the application.
- 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.
- Developed RESTful APIs using Express and Node.js.
- Involved in daily SCRUM meetings to keep track of the ongoing project status and issues.

K Health

Front-End Developer

April 2019 - September 2020

New York, NY

Project: Primary Care Management Platform

- Actively participated in the design of web architecture layout for an SPA using HTML5, CSS3, JavaScript, React framework, Bootstrap, etc.
- Created beautiful web interfaces by following advanced UI/UX guidelines using modern web development tech and tools.
- Developed the application by working with both modern/emerging web tech such as PWA, GraphQL, Docker, etc. and classic web development technologies.
- Used CSS and Bootstrap to make effective and cross-browser compatible front-end pages with attractive and easy-to-use functionalities.
- Able to design UI to handle concurrent resource modification.
- Performed coding using JavaScript for page functionality and Pop-up Screens, used HTML to make drop-down menus on web pages, and display part of a web page upon user request.
- Created forms to collect and validate data from the user in HTML and JavaScript.
- Developed page layouts, navigation bars, animation buttons, and icons.
- Implemented dynamic page elements and form error validations using JavaScript.
- Designed PDF, Excel, and Print previews for all the reports in the application using HTML5, JavaScript, and SQL Stored Procedure.
- Used GIT version control to track and maintain the different versions of the application.
- Migrated Waterfall to Agile methodology and effectively took part in Daily Scrum meetings to deliver the tasks and project within time.

Policygenius

Front-End Developer

January 2018 - February 2019

New York, NY

Project: Online Insurance Quoting Application

- Developed front-end applications and user interface using React.
- Ensured the technical feasibility of UI/UX designs and turned designs into maintainable and scalable codes.
- Created Axios HTTP requests and interceptors in Redux-Thunk middleware to consume REST

APIs and store data by dispatching redux actions, subscribing data, and connect it to components from store to render various UI gadgets.

- Improved the layout of application through working on common CSS elements such as background, layouts, positioning, text, border, margin, padding, table, pseudo-classes, pseudo-elements, etc.
- Fulfilled application authentication and dynamic routing with React Router, and OAuth 2.0.
- Incorporated Material UI as well as other third-party UI library modules into the application.
- Tested and debugged the application by creating unit test cases using Jest and Enzyme.
- Involved in various phases of the software development life cycle, such as requirements analysis, design, implementation, and maintenance in an Agile environment.

Comcast NBCUniversal

Data Science Intern

June 2017 - November 2017

Philadelphia, PA

Project: Predictive Modeling & Data Visualization

- Developed a frontend visualization of predictive model results using Python flask framework.
- Engineered and tested new model features using Hive SQL database and documented those features on Excel.
- Collaborated with other intern on NLP project to conduct sentiment analysis on vocal tone using data from customer calls in order to determine whether or not the call was beneficial to customer.
- Developed a ML model to predict customer churn rate based on video subscription tier.
- Participated in weekly meetings to discuss model results, potential improvements, and latest technology

PERSONAL PROJECTS**React Movie List** - <https://brian-movie-app.netlify.app/>

- Movie list app built using React.js. Data fetched from The Movie Database api. Displays list of recent popular movies and shows a brief synopsis of each movie.
- CSS flexbox/grid, React, JSX, babel, webpack

React Video Game Hub - <https://brian-react-gaming.netlify.app/>

- React app to view current, upcoming, and popular video games. This app uses Redux to manage global state and make calls to rawg.io api.
- React, Redux, Redux-thunk, Framer motion, Styled-Components