

TIFFANY CHAU

Software Engineer

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TECHNICAL SKILLS

Programming Languages: Javascript (ES6+), Typescript, React (Hooks, Router), Redux, DOM Manipulations, HTML5/CSS3, Node.js, Express, SQL - PostgreSQL, NoSQL - MongoDB, Authentication, Version Control (Git, Github), Docker, Electron, Test Driven Development (React Testing Library, Supertest), Agile software development, Chart.js, Webpack, Postman, CI/CD, Bootstrap

TECHNICAL EXPERIENCE

Software Engineer - Docketeer Open Source

2022 - Present

- Migrated entire the codebase to Typescript to reduce silent errors produced by unintended type coercion and improve developer's experience in maintaining an efficient, well-structured code architecture
- Used Jest/ SuperTest/ React-Testing Library to restructure the entire unit and end-to-end testing suite throughout the application life cycle to provide a less opinionated yet more verbose environment for 100% coverage and ensures reliability, high-performance application
- Utilized React Router to enable coherent user experience with the conditional rendering of components and optimize rendering performance with minimal network requests in a SPA
- Built a light-weight, efficient desktop application with Node.js runtime (in Electron) for Docketeer to provide a seamless cross-platform experience and speed up time-to-market deployment
- Produced visually appealing designs and a responsive application by using Material-UI to improve user's experience with live data updates from Docker's containers
- Implemented best practices for securing Google OAuth APIs and libraries in building the authentication flow, retrieve user information, and manage access and refresh tokens
- Built application with Webpack for future scaling, maintainability and faster loading times by writing configuration to utilize hot module reloading, ES6+ transpilation for developer packages, and using minification and uglification features to decrease bundled file size
- Used Chart.js to create interactive and visually appealing charts and graphs to render real-time dataset from Docker Desktop in a clear and concise manner
- Product developed and accelerated through Open Source Lab (opensource.labs.io)

Trust & Safety Legal Specialist - Onsite at Google

2017 - 2022

- Utilized a variety of admin tools and technologies such as automated fraud detection systems, manual review processes, and customer support systems to monitor online content and mitigate risks that may violate trust and safety policies
- Worked alongside with Google development team in building supporting tools that allow agents to make litigation decisions directly on Google search engine, which boosted productivity wise by 20% and reduced processing time by 35%

OPEN SOURCE PRODUCTS - SOFTWARE ENGINEER

Yumm!! - *social media platform to connect food enthusiasts through recipes, photos sharing features*

- Implemented various custom React Hooks to manage component state and side effects in a declarative manner, ensuring DRY principles, readability, and ease of integration testing
- Utilized Express in the Node.js runtime framework to efficiently handle multiple concurrent HTTP requests based on the middleware design pattern, routers and controllers to assure a fast and impeccable data transmission between the client and server-side
- Created and maintained SQL database to have relational data stored and accessible to be ACID compliant with strict schemas, enabling concurrent connections from 5+ tables

HireHero - *application that focuses on providing a simple and effortless job application management*

- Leveraged the power of functional components of React, React Hooks to improve the readability of component tree for better debugging and maintaining of codebase, promoting a fluid user's experience when interacting with personal information and each task list
- Proficient in leveraging Express' features, such as template engines, error handling, and middleware functions, to build robust and secure web applications
- Experience implementing Bootstrap's grid system and customizing the framework with CSS and JavaScript to produce an aesthetically pleasing, interactive user interface

EDUCATION

Texas State University - B.A.

PUBLIC PRESENTATION

Containers - Docker Tech Talk | Speaker @ Jeeny & Bractlet Software Engineering Speaker Series