

# Kin Lay

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## SUMMARY

- 5 years of experience in front-end development using React, JavaScript framework, and other front-end technologies such as HTML5, CSS3, SASS, JavaScript, ES6+, Webpack, Babel, JSON, Redux, TypeScript, React Router, Bootstrap, Express, Jest, Enzyme, React Testing Library, etc.
- Experience with agile scrum methodology working with scrum master, tech lead, developers, and designers.
- Hands-on experience working with React class and functional components, Redux, and TypeScript to create single-page applications.
- Solid knowledge in react lifecycle methods and software development life cycle.
- Expertise in making HTTP requests using Fetch and Axios.
- Proficiency in utilizing stylesheet language CSS to implement responsive and cross-platform web designs and CSS pre-processor SASS to implement reusable style functions.
- Familiarity with using version control tool Git and project management tools Asana and Jira.
- Experience with unit testing and integration testing tools Jest, Enzyme, and React Testing Library.
- In-depth knowledge of full-stack development framework MERN stack.
- Working knowledge of using semantic HTML to enhance user's experience, readability, and SEO and webpack compression plugin configuration to enhance web performance.

## TECHNICAL SKILLS

<b>Programming Languages</b>	JavaScript, Python
<b>Front-end</b>	JavaScript ES6, HTML5, CSS3, SCSS, Styled-Components, Webpack
<b>Back-end</b>	Node.js, Express, MySQL, MongoDB, PostgreSQL, Firebase, Amazon Web Service (AWS) EC2 + S3
<b>React Libraries</b>	Lodash, MaterialUI, React Router, jQuery, D3, Highchart
<b>Testing</b>	Jest, Enzyme, React Testing Library
<b>Version Control</b>	Git
<b>Project Management Tool</b>	Jira, Asana
<b>Methodologies</b>	Agile Scrum, Waterfall

## WORK EXPERIENCE

### Airtable

San Francisco, CA

#### FRONTEND ENGINEER

Jul 2020 – Jun 2022

**Project:** Data Visualization and Filter Tool

**Description:** Airtable is an online organizational and collaboration tool. It is a spreadsheet platform with database functionalities. It allows users to build custom applications without writing a single line of code. Users can display tasks in different views, mix and match widgets with different functionalities, and choose from ready-built templates made for specific teams and business needs. It works great as a workflow management system or data visualization tool. Users can generate dashboards and reports with customization. Airtable has the functionalities of Google Spreadsheet and more. Users can switch views of the table to show things like a Calendar or a Kanban board like Trello.

#### Responsibilities:

- Developed interactive front-end for data visualization and data filtering based on policies.
- Applied TypeScript and CSS to build and maintain new and existing Airtable features.

- Followed software development lifecycle to plan, document requirements, design, build, test, and deploy new features.
- Utilized Redux Toolkit for global state management.
- Troubleshoot and debugged defects to enhance user experience.
- Incorporated Axios and ES6 to perform RESTful APIs.
- Implemented styled-components and ensured UIs are responsive to different devices and browsers.
- Used babel to transpile ES6+ to ES5 and webpack to bundle and minify JavaScript, images, and CSS files.
- Written unit tests and integration tests using Jest and React Testing library to verify system's behavior and logic.

## Rippling

### SOFTWARE ENGINEER - FRONTEND

San Francisco, CA

Jun 2019 – May 2020

**Project:** Unified Workforce Management Platform

**Description:** The Unified Workforce Management Platform allows companies to manage their employees' operations in one place, from onboarding to offboarding and everything in between. The applications allow users to manage different applications and data in one place, including payroll, employees' activities, and the company's finance data. It helps minimize the administrative work on the HR and IT sides for companies.

#### Responsibilities:

- Hands-on experience building SPA using React.
- Implemented styled-components and ensured UIs are responsive to different devices and browsers.
- Executed Redux for global state management.
- Constructed data visualization graphs using D3 library.
- Employed NPM to install development packages.
- Applied ES6 features.
- Written unit tests and integration tests using Jest and Enzyme.
- Used Git for version control.

## Course Hero

### FRONTEND ENGINEER

Redwood City, CA

Jun 2017 – May 2019

**Project:** Educator and Student Experience Platform

**Description:** Course Hero is an education technology website that helps college students to prepare for their classes by getting access to course-specific study materials such as practice problems, study guides, class notes, essays, etc. In addition, students can submit questions and get help from the 24/7 tutors. As a member of the educator and student experience team, the role is responsible for the entire user experience after account creation. This included search and discovery, Q&A, study tools, document management, and etc.

#### Responsibilities:

- Worked with Project Manager and Designers and participated in designing and developing SPA using React and TypeScript.
- Applied CSS preprocessor, SCSS, to create scalable and maintainable CSS using variable, mixin, and functions.
- Utilized Redux for global state management and Redux Thunk to handle asynchronous API requests.
- Implemented jQuery and Ajax to retrieve data from the server.
- Established react router for dynamic routing.
- Refactored older components for the update.
- Develops and runs unit tests for the website using Jest and React Testing Library.
- Used Git for version control.

## PROJECT

### Kin's Portfolio

**Description:** My portfolio website that details my tech stack knowledge and project experience.

**Technologies:** React.js, SCSS, Firebase

- Created a portfolio website using SCSS with maintainable and reusable codes.
- Deployed application on Firebase at domain [www.kintatlay.com](http://www.kintatlay.com).

## SoundClone

**Description:** A Front-End Music Streaming Service Project.

**Technologies:** React.js, Styled-Component, MySQL, Node.js, Express, Jest/Enzyme, AWS EC2 + S3

- Designed the UI frameworks of the comments, likes, and modal features using React and Styled-Component to enhance users' experience with a fast and scalable application that contained reusable code.
- Implemented MySQL, Node.js, and AWS EC2 + S3 to host backend database and created unit tests using Enzyme and Jest.
- Optimized page speed score from 31 to 90 through webpack production configuration to reduce bundle size.