James Kim

Software Engineer

Experience

Jayu Real Estate | Software Engineer   July 2019 – Current

- Developed and Maintained the service landing page and online business services for Jayu Real Estate and its affiliate businesses.
- Improved customer satisfaction by creating an online business platform that utilizes simplicity, professionalism and responsive web design principles to enhance UX.
- Utilized React for its top-down information state management, flexibility of JSX, and tree reconciliation based on the virtual DOM to expedite the UI development of an SPA.
- Generated automated unit and functional tests using Mocha and Chai for developers to minimize unexpected application bugs by evaluating critical edge cases and preserving code quality for future updates.
- Built Data Visualizations using d3.js to monitor file server load, web server speed, data processing, and to transform arbitrary data into product roadmaps and tree map diagrams for management and potential buyers.
- Engineered updated administration panel, utilizing a relational database (PostgreSQL) to CRUD property listings and prices, and enforcing admin authentication by validating JWT's via passport.js.

JChat Live | GitHub   December 2019 – Current

- Built a Full Stack, Real-Time single page application where authenticated users can broadcast global messages, chat in private conversations, and update their profile photo and account information.
- Utilized React Hooks over class-based components for ease of scalability and testing, and for its improved ability to share logic across components
- Incorporated React Router to navigate between UI pages without page refreshes in order to minimize requests and maintain application state for a single page application.
- Utilized MongoDB, Express, and Node.js to design REST API Endpoints that stores and retrieves user accounts, messages, and conversations.
- Integrated Socket.io to create real time communication, and implemented persistent authentication by validating JWT's and storing it in local storage.

Global Weather Map Live | GitHub   August 2018 – March 2019

- Accessed multiple public API Endpoints, such as Mapbox and WeatherStack's API's via AJAX requests in Node.js to display real time weather data in React.
- Applied dynamic styling to JSX based on the time of the searched location, an asynchronous spinner to improve user experience, and enabled responsive web design by combining Media Queries, Flexbox, and Grid.
- Utilized React for component reusability and modularity

Education

University of Southern California | Bachelor of Arts

- Additional Coursework: HarvardX CS50 Introduction to Computer Science

Interests

YouTube Content Creator | How to Solve Coding Challenges

- Upload Biweekly tutorial videos to YouTube on solving different types of coding challenges.

Personal Info

Phone: 562-544-9947

Email: pgcjameskim@gmail.com

Address: Los Angeles, CA

Portfolio: james2kim.com

GitHub: github.com/james2kim

LinkedIn: Linkedin.com/in/james2kim

Technical Skills

Strong

JavaScript (ES5, ES6)
React.js
REST API's
Functional Programming
OOP
Systems Design
Node.js
Express
Redux
MongoDB

Experienced

PostgreSQL
CSS3
HTML5
D3.js
UI Design
Information Security
Caching

Tools

Git
GitHub
npm
Webpack
Babel
Chrome Dev Tools
Visual Studio Code
AWS
Sketch
Nodewebkit