Brian Kwok

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TECHNICAL SKILLS

Strong: Javascript ES6+, React, Node/Express, Redux, Web-Components, LitHtml, WebdriverIO, SauceLabs, Selenium, Mocha.js, HTML5/CSS3, SASS, Git, GitHub Copilot, REST API, Accessibility, Responsive Mobile Design, Web APIs, Jira
Experienced: NoSQL, SQL, React Hooks, Bcrypt, Docker, Kubernetes, Babel, Postman, Figma, Jira, Applitools

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EXPERIENCE

Age of Learning | Software Engineer 2020 - 2024

- Developed dynamic and responsive UI components using the lit-html frontend framework. Leveraged template literals for efficient DOM manipulation, establishing a dynamic relationship between data and the DOM. Contributed to the development of web pages for My Math Academy and Homeschool+.
- Implemented ADA and WCAG web accessibility standards across all company products, ensuring inclusivity and compliance with regulatory guidelines.
- Developed custom internal tools to streamline the redemption process for application promo codes and efficiently manage campaign and pixel tag source links. These tools enabled marketing teams to accurately track the performance of campaign pages, distinguishing impactful from non-impactful campaigns.
- Engaged with RESTful APIs to seamlessly execute asynchronous calls with our web services, optimizing processes such as sending sensitive user data. Additionally, implemented browser-native functionality, including the Intersection Observer for lazy loading and integration of dynamic visual placement.
- Conducted A/B testing through the utilization of an internal client-side router, elevating stakeholder decision-making with valuable insights. This initiative led to enhanced conversion rates and increased revenue potential.
- Created testing suites for web applications using Selenium WebDriver web APIs and the WebdriverIO framework. Additionally, employed SauceLabs' cloud-based real testing devices for seamless integration testing within the pipeline.
- Executed thorough unit and end-to-end testing for all application pages using the Webdriver.io framework, supplemented by Applitools for precise visual testing. Ensured robust functionality and a seamless user experience.

Kafka Lens | Software Engineer 2019 - 2020

- Composed Jest and Enzyme testing suites to ensure better quality builds and catch potential threats earlier in the development cycle, leveraging Travis CI to streamline debugging process and isolate issues.
- Leveraged React Router to provide a single page application which allows users to seamlessly navigate between components, while also minimizing server calls and further decreasing the application's rendering times.
- Applied Electon's operating system agnosticism to rapidly deploy a multi platform desktop application, leveraging system interoperability to circumvent developmental issues typically inherent with clashing system requirements.

OPEN SOURCE

HoopMaps | Geolocation

- Utilized React to construct a responsive web application which incorporates reusable components in tandem with the virtual DOM, delivering faster page rendering and component updates only as needed.
- Constructed distinct Node/Express server routes with asynchronous middleware to efficiently collect and parse large amounts of concurrently received API response data and maintain high performance and throughput.

EDUCATION

California State Polytechnic University, Pomona | *Bachelor of Science in Business Administration*

INTEREST & HOBBIES

NBA Fanatic | Food & Boba Enthusiast | Avid Computer Science & Astronomy Podcast Listener | 90 - 2000's R&B Fan