Kevin Zheng

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Summary

- Seasoned full-stack engineer with 8+ years of professional experience building sophisticated Single-Page Applications (SPAs) using HTML5, CSS3, JavaScript, TypeScript, React.js, Redux, Redux-Thunk, and Next.js to enhance user experiences and interactions.

- Expertise in React's advanced hooks, such as useMemo, useCallback, useReducer, and useRef, ensures the creation of high-performing and resource-efficient components that enhance the user experience.

- Proficient in implementing server-side rendering techniques with React.js and Next.js to enhance application performance, improve search engine optimization (SEO), and ensure faster page loads.

- Experienced back-end development using Java, Spring Boot, and Spring JPA, demonstrating a solid understanding of Object-Oriented Programming (OOP) concepts.

- Experience designing, developing, and maintaining robust RESTful APIs and GraphQL schemas and resolvers that effectively communicate data between servers and clients.

- Expertise in managing and interfacing with databases, proficient in SQL and NoSQL databases, including MySQL, MongoDB, and AWS DynamoDB.

- Proficient in using CSS pre-processors like Sass to optimize styling, with the ability to create reusable and scalable stylesheets.

- Skilled in using Node.js based tools such as Webpack, Babel, Jest, ESLint, and React Testing Library, improving code quality and development efficiency.

- Involved in creating unit testing frameworks using Jest, Cypress, JUnit, and Mockito to minimize bugs and improve software quality.

- Proficient in seamlessly integrating front-end development with key AWS cloud services, including EC2 and AWS Lambda, enhancing the scalability and resilience of web application architectures

- Familiarity with using GIT for version control and JIRA for project management in AGILE and Scrum development environments.

Technical Skills

Programming Languages: JavaScript, TypeScript, Java, HTML5, CSS3

Front-End Tech: React, React Router, React Hooks, Redux, Redux-thunk, Node.js,

Apollo Client, Express, MERN, Ajax, JQuery, Sass,Next.js, tailwind CSS, Bootstrap, Figma,

Back-End Tech: Express, Apollo Server, GraphQL, RESTful API, Spring Boot, Spring JPA.

Database: MySQL, PostgreSQL, MongoDB, AWS DynamoDB

Cloud-related: AWS, Docker, Kubernetes

Testing: Jest, React Testing Library, Cypress, JUnit, Mockito

Code Management: Git, JIRA, CricleCI

IDE Tools & Webserver: Visual Studio Code, IntelliJ, Postman

Development Methodologies: Agile/Scrum, Waterfall, TDD, BDD

Work Experience

Fine Wine & Good Spirits, *Philadelphia, PA*   March 2021 - Present
Senior Front-End Developer

Project: Internal orders management application.

The Internal Orders Management Application streamlines managing inventory transfers between stores and licensee orders throughout Pennsylvania's broad network of over 600 Fine Wine and Good Spirits outlets. As a senior developer, I am part of a team tasked with modernizing the company's antiquated legacy system. We aim to incorporate contemporary technology that enables a highly responsive, intuitive, and user-friendly design.

Responsibilities:

- Pioneered and architectured an exceedingly interactive, user-centric interface for the full-stack application, employing avant-garde technologies like TypeScript, React, HTML5, CSS3, and Redux.

- Engineered multiple reusable components using React and React Hooks, harnessing the power of functional components and stateful hooks to promote code reusability, enhance modularity, and enable efficient component composition within the application.

- Utilized Next.js to implement server-side rendering for the application, reduced the initial load time by 30% for the main dashboard, improving user engagement through faster, more efficient content delivery.

- Leveraged Fetch API to efficiently retrieve JSON data from AWS DynamoeDB. Ensured consistent and reliable data flow, improving application performance and responsiveness.

- Harnessed Redux and Redux-thunk for global state management, enabling seamless data sharing and synchronization across components.

- Leveraged Redux-thunk to streamline asynchronous operation for user authentication, inventory availability updates, improved data handling efficiency, and enhanced user experience

- Collaborated with back-end teams to design and consume APIs hosted on AWS Lambda and API Gateway, ensuring seamless, efficient, and secure data exchange between the front-end and serverless back-end.

- Actively participated in code reviews, providing constructive feedback and collaborating with team members to improve code quality, maintain best practices, and ensure adherence to coding standards.

- Authored and executed reliable and comprehensive test suites using Jest and the React Testing Library, reinforcing the integrity and quality of the codebase.

- Commanded GIT as a version control mechanism, guaranteeing streamlined and synchronized team development efforts.

- Engaged in daily stand-up meetings, prepared periodic sprint reports, and actively fostered effective communication and collaboration within the team to enhance Agile/Scrum work activities.

Insomina Cookies, Inc. *Philadelphia, PA*   July 2019 -   Feb 2021
React Developer
Project: insomniacookies.com

Insomniacoolies.com is the authorized e-commerce platform for Insomnia Cookies, Inc. Its interface boasts an attractive layout highlighting the delectable assortment of cookies. The website offers effortless navigation, enabling customers to locate and personalize their orders, discover nearby stores, conduct secure online transactions, and access dedicated customer support, among other features.

Responsibilities:

- Architected and crafted highly responsive and user-friendly web pages for insomniacookies.com, leveraging cutting-edge technologies like React, TypeScript, GraphQL, and Tailwind CSS to deliver exceptional performance, seamless interactivity and visually captivating designs.

- Implemented a robust routing system within the application using React Router, enabling the creation of dynamic and intuitive navigation experiences for seamless user journeys

- Innovated and optimized reusable React components, enhancing the application's overall efficiency and performance.

- Developed a collection of custom React hooks, utilizing the flexibility of hooks to encapsulate and share reusable logic across multiple components, improving code organization, promoting code reuse, and enhancing development efficiency in the web application.

- Collaborated closely with the UI/UX team, utilizing Figma as a collaborative design tool to ensure seamless communication and alignment between design and development, resulting in a cohesive and visually appealing user interface for the application.

- Implemented Redux to manage and store customer order information, enabling centralized state management, facilitating seamless data sharing between components, and ensuring efficient retrieval and updates of order-related data throughout the application.

- Utilized Postman to effectively test GraphQL APIs, leveraging its intuitive interface and versatile features to send queries, mutations, and subscriptions, inspect response data, and validate the functionality and performance of the GraphQL API endpoints.

- Collaborated closely with the backend team to successfully integrate AWS DynamoDB, efficiently handling complex data requirements and enhancing the platform's performance and scalability.

- Adhered to Test-Driven Development (TDD) principles by utilizing Jest and React Testing Library to create comprehensive unit and integration tests, driving the development process, ensuring code reliability, and facilitating iterative and testable feature implementations within agile sprints.

TherapyNotes, *Horsham, PA*   Feb 2016 - Jun 2019
Front-End Developer

Project: TherapyPortal.com

TherapyNotes provides web-based behavioral health practice management and electronic health records software for mental health professionals. In the development team, I contributed to creating TherapyPortal.com, a user-friendly SPA for patients to manage their appointments.

Responsibilities:

- Engaged in the creation of a Schedule feature utilizing advanced technologies like React, JavaScript, JQuery, and CSS, culminating in an elevated user experience on TherapyPortal.com

- Developed an interactive schedule component by leveraging React class components and BootStrap, incorporating dynamic event management, seamless user interactions, and visually appealing designs to enhance the scheduling experience.

- Implemented jQuery AJAX to facilitate robust HTTP requests and seamless backend integration. Optimized data transfer and enhanced application performance.

- Ensured code integrity and upheld product quality by maintaining the codebase and authoring automated tests using Jest for comprehensive bug diagnosis.

- Utilized GitHub as the version control tool to perform efficient program checkout and check-in operations, effectively managing code changes and promoting streamlined collaboration.

- Fostered effective team communication in an Agile environment through daily stand-ups, sprint planning, and retrospective meetings, actively participating in promoting collaboration.