Sean (Xiaoen) Tang

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Summary

Results-driven Front-End Developer with 2+ years of hands-on experience in front-end development. Proficient in **JavaScript**, **TypeScript**, **React.js**, and Vue.js, complemented by a robust understanding of data structures and algorithms. Demonstrated ability to collaborate effectively with diverse teams to achieve business objectives, evidenced by a track record of delivering high-performance web applications that drive tangible results.

Skills

Languages:	**JavaScript**, **TypeScript**, Python
Web tech:	Restful API, micro services, GraphQL
Front end:	**HTML5**, **CSS3**, Tailwind, **React**, Redux, Next.js, Node.js, Bootstrap
DB:	MySQL, PostgresQL, MongoDB
Tools:	Git, Webpack, **Jest**, Jenkins, Figma, AWS

Work Experience

HelloBike 02/2022 - 08/2023 **Front End Developer**

Description: Merchant facing system including a mobile hybrid APP (React) and a customer management system (Vue) with RESTful API

Technologies: **TypeScript**, Node, **React**, Vue, Jest, RESTful API

- Collaborated with product design, product management, and software engineering teams in an Agile environment
- Led a 5-developer team to build a mobile hybrid app from scratch with TypeScript and React
- Developed and implemented an **component library** utilising the Dumi front-end framework
- Utilized micro front-end technology to develop the web system and internal CRM module
- Used **Jest** to craft rigorous unit tests for React components
- Employed Node.js to develop RESTful APIs for interface aggregation
- Conducted systematic **performance monitoring** and troubleshooting with Sourcemap
- Improved **CI/CD** process for projects with webpack / rollup

Achievements:

- Implemented **pre-rendering** and **caching technology**, achieving a first-screen load time of less than 600ms. Surpassed 80% of apps on the market
- Implemented micro-front-end technology for enhanced modularity, improved development efficiency by nearly 30%

- Developed and implemented an component library utilising the Dumi front-end framework, resulting in streamlined design consistency and improved development efficiency across 15+ pages
- Created over 80 components to enhance system functionality. The reusability of components reduced development manpower by more than 500 hours in total
- The CRM module of the web system increased offline sales by more than 170 million RMB in 2022

TikTok   04/2021 - 12/2021   **Front End Developer Intern**

Description: E-commerce module in TikTok called TikTok mall including product recommendation components and various activity pages

Technologies: **React**, **TypeScript**, JavaScript, Node, Jest, Next.js, SEO, Figma, Redux

- Built a TikTok product recommendation component from scratch with **React** and used **offline package technology** to optimize component loading time
- Improved SEO by implementing SRR using Next.js, implemented global state management with Redux
- Utilized data pre-fetching and data caching technology to optimize page performance
- Collaborated with the design team to build component libraries and low-code platforms with **React, TypeScript** and Figma
- Wrote usage documents for component libraries and low-code platforms
- Created unit test cases with **Jest** for TikTok mall project and component library project

Achievements:

- Due to the usage of offline package technology, the performance of the product recommendation component was improved by more than 40% compared to the old component
- The server-side rendering successfully reduced the loading time of the product details page in TikTok by 40%
- Accelerated user experience and reduced customer support issues by 40% by identifying and rectifying over 50 online bugs
- Ensured component stability, utilising the library development solutions across TikTok's core pages, served over 100 million users daily
- The automated unit test cases resulting in a 60% decrease in post-release bugs, establishing a new standard of excellence in product stability
- Achieved a code coverage rate exceeding 90%, minimising bugs introduced while deploying new features

Education

08/2019 - 01/2022	**University of New South Wales, Australia**	
	Master of Information Technology with Excellence	
09/2015 - 06/2019	**Donghua University, China**	
	Bachelor of Information System Management	
01/2017 - 05/2019	**East China Normal University, China**	
	Bachelor's Degree Minor in Applied Psychology	