Lance Yu

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Web Developer | React Expert

I'm a Web Developer with a passion for creating intuitive and engaging user interfaces. With a strong foundation in HTML, CSS, and JavaScript, as well as experience with modern frameworks like Next.js and Tailwind CSS, I strive to build responsive and accessible web applications that provide a seamless user experience.

Skills

Programming Language

JavaScript (ES2015+),
TypeScript,
HTML, CSS, Sass, Markdown

Libraries & Frameworks

React, Next.js,
Express.js(Node), jQuery,
Tailwind CSS, Styled
Components,
Redux, Bootstrap5, Ant
Design, Axios, React Query,
Zustand

Tools & Platforms

Git, GitHub, Storybook,
Docker, Webpack, Figma,
Zeplin, MongoDB, Mongoose

Soft

Communication, Teamwork,
Problem Solving,
Adaptability, Creativity

Employment

Front-end Developer • Champ   Sep 2022 – July 2023 | Taipei, Taiwan

- *Enterprise internal management system (EIMS) is a Next.js-based back-office project developed for internal use within the company. It provides a range of functionalities customized for different roles, encompassing employee management, resource allocation, project tracking, and communication tools.*
  - Developed a comprehensive back-office application using Next.js .
  - Utilized TypeScript's type system to define clear and predictable interfaces and enforce stricter data typing.
  - Designed responsive and user-friendly web interfaces, leveraging the power of Tailwind CSS.
  - Leveraged Redux Toolkit for efficient state management in complex web applications, minimizing redundant code.
  - Utilized Mongoose to implement MongoDB schemas and models.
- *Platform as a Service Back-Office (PaaS BO) is an innovative solution built on Next.js, specifically tailored to meet the needs of betting companies. With a primary focus on scalability, the platform ensures that it can seamlessly accommodate the growing demands of the industry.*
  - Designed and developed a comprehensive Next.js back-office application from inception to launch.
  - Utilized TypeScript's type system to define clear and predictable interfaces and enforce stricter data typing.
  - Designed responsive and user-friendly web interfaces, leveraging the power of Tailwind CSS.
  - Crafted user interfaces using Ant Design, ensuring rapid development and seamless user experiences.
  - Utilized React-Query to efficiently fetch, manage, and cache data, resulting in improved application performance.
  - Work alongside product & project managers, designers, and other engineers to transform creative concepts into refined digital experiences at an agile (2 week) cadence.

Front-end Developer • Funpodium   Apr 2020 – Aug 2022 | Taipei, Taiwan

- *Platform back-office is a software tailored towards five betting sites across South East Asia. Each service in Platform back-office is developed based on individual user requests but designed as microservices to facilitate future integration into other projects. Each service encompasses functionalities commonly used across multiple betting platforms and is customized for individual clients.*
    - Designed and developed six microservices, incorporating both Role Service and User Service functionalities.
    - The User Service overseeing user access, authentication, and the management of third-party login methods.
    - Led the development of a robust Role Service to oversee hierarchical user permissions across microservices, resulting in fortified security measures and improved access control.
    - Implemented a Higher Order Component (HOC) to enforce user permissions on pages, guaranteeing that only authorized users can access specific routes.
    - Utilized React Hooks to craft a utility component, empowering the control of user permissions within individual components.
    - Reviewing UI designs, designed and defined microservice API contracts using Markdown, ensuring clear and consistent communication between frontend and backend teams regarding API endpoints, request bodies, and response formats.
    - Implemented code comments using JSDoc, providing comprehensive documentation for functions and components to improve code readability and maintainability.
    - Integrated RESTful APIs seamlessly with Axios, enabling smooth data communication between the front-end and back-end systems.
    - Leading meetings as a frontend developer and facilitating communication between the company's backend team, the backend team in Malaysia, and the design team to strategize project directions.
- *Quick Response Page (QRP) live preview involves integrating a preview function into the QRP system as per client specifications. Users should be able to easily select from multiple templates in dropdown menus to customize their website. Upon selection, the chosen template's preview will be displayed within an iframe at a designated position. This functionality provides users with a clear visualization of the template's appearance and positioning. Ultimately, users will have the capability to preview the entire page before finalizing and submitting it.*
    - Developed QRP using jQuery.
    - Spearheaded the development of a preview feature for QRP using React.js, allowing users to visualize changes in real-time before submission.
    - Implemented communication between parent and iframe components using the postMessage Web API, enabling seamless interaction and data exchange across different parts of the application.
- *I spearheaded the development of Funpodium's official website alongside our intern team. As the company expanded, there was a growing need to integrate additional information onto the website, leading to the creation of the official website.*
    - Developed official website using jQuery.
    - Integrated Bootstrap 5 components and utilities to streamline development and improve code maintainability.
    - Led the development and maintenance of the company's official website in collaboration with internship team members.
    - Conducted code reviews and mentored internship developers, promoting best practices and code quality.

Education

Tamkang University
Taipei, Taiwan

Bachelor of Engineering in Computer Science and Information Engineering

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