Shengge(Dempsey) Zhang

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PROFESSIONAL SUMMARY

Full-stack web developer with a strong background in both front-end and back-end development, skilled in creating responsive, user-friendly applications. Proficient in modern JavaScript frameworks like React and Node.js, with hands-on experience in developing dynamic, scalable applications.

TECHNICAL SKILLS

Front-end: JavaScript (ES6), HTML5, CSS3, TypeScript, ReactJs, Redux, SASS/SCSS, Material UI, Bootstrap
Back-end: NodeJs, ExpressJs, TypeScript, TypeORM, REST API
Database: MySQL, MongoDB, SQLite
Version Control: Git, GitHub, GitLab
Tools: Node, NPM, Yarn, Docker, Postman
Additional: OAuth, JWT, Axios, Jest (Unit Testing)

EXPERIENCE

Front-end Developer   Sep 2024 – Present
Vosyn.ai   *Toronto, ON*

* Led the design and development of the Homepage using React and Material UI, improving client brand visibility and user engagement.
* Implemented optimized Search functionality, allowing users to filter results dynamically with Redux, improving search speed by 25%, reducing user bounce rates.
* Developed a dynamic filtering system for content lists, resulting in a more intuitive user experience.
* Improved website responsiveness, reducing page load time by 30% across all devices, directly contributing to an improved user experience and client satisfaction.
* Built and integrated content tabs using Redux and reusable components, allowing for a flexible and scalable design system.
* Designed and developed content cards for displaying dynamic data, contributing to a more visually engaging user interface and increasing user interaction with client content.

PROJECTS

Full-stack E-commerce Platform Development | *React, Node.js, TypeScript*   March 2024 – Sep. 2024

* Developed a scalable e-commerce single-page application (SPA) using React and Redux.
* Created reusable React components and integrated Redux to manage state efficiently, improving development speed by 30% for future updates.
* Integrated PayPal and Stripe payment gateways, providing clients with secure, real-time payment processing and reducing checkout abandonment rates by 18%.
* Designed and implemented RESTful APIs using Node.js and Express, facilitating seamless communication between the frontend and backend, reducing data latency by 40%.
* Implemented JWT (JSON Web Token) for secure user authentication, ensuring data integrity during login sessions and improving overall platform security.
* Collaborated with backend developers to implement Role-Based Access Control (RBAC) for user permissions, enhancing security for client admin portals.
* Integrated Google Address Autocomplete API, simplifying the checkout process and improving user accuracy when entering shipping details, which resulted in a 20% faster checkout process.

Forkify Project | *JavaScript, API, UI/UX*   Forkify Demo

* Developed a recipe search app built with JavaScript, featuring dynamic API data fetching, user recipe saving, and an optimized UI for user experience.
* Implemented asynchronous API calls to retrieve data and dynamically displayed recipes based on user input.
* Designed a clean and responsive user interface that provides recipe details like cooking time, servings, and ingredients.
* Managed state efficiently by storing user-selected recipes, including functionality to add and remove recipes from favorites using localStorage for persistence.

EDUCATION

University of Toronto   Toronto, ON
Masters of Industrial Relations and Human Resources   *Sep. 2018 – May 2020*

University of British Columbia   Kelowna, BC
Bachelor of Management   *Aug. 2014 – May 2018*