

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 Next.js, React and Node.js, with hands-on experience in developing dynamic, scalable applications.

TECHNICAL SKILLS

Front-end: React, Redux, Next.js, JavaScript (ES6+), HTML5, CSS3, TypeScript, Tailwind CSS, SASS/SCSS, Material UI, Bootstrap, React Day Picker
Back-end: Node.js, Express.js, TypeScript, TypeORM, REST API, Supabase
Database: MySQL, MongoDB, SQLite
Authentication: OAuth, NextAuth, JWT, Google Developer Console
Version Control: Git, GitHub, GitLab
Tools: Node, NPM, Yarn, Docker, Postman, Vercel, Figma
Additional: Axios, Jest (Unit Testing), API Integration, Responsive Web Design

EXPERIENCE

Vosyn.ai Sep 2024 – Present

Front-end Developer — *React, Next.js*

- 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% and reducing user bounce rates.
- Migrated the search results page from React.js to Next.js, enhancing server-side rendering capabilities and improving SEO performance.
- 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.

The Wild Oasis | *Next.js, NextAuth, Tailwind, Supabase, React Day Picker, Google Developer Console* [Demo Link](#)

- Developed a dynamic and responsive web application showcasing vacation destinations using **Next.js** for seamless server-side rendering and enhanced performance.
- Implemented **NextAuth** with **Google Login** using the **Google Developer Console**, providing secure and intuitive user authentication and profile management.

- Styled the platform using **Tailwind CSS**, creating a visually appealing and mobile-first user interface that adapts across devices.
- Utilized **Supabase** as the backend-as-a-service to handle database interactions, user management, and storage solutions.
- Integrated a calendar feature using **React Day Picker**, allowing users to select dates for booking vacations seamlessly.
- Designed and implemented features like dynamic filtering for destinations and user profile management, enhancing the overall user experience.
- Deployed the application on **Vercel**, ensuring fast load times and global accessibility.

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

Masters of Industrial Relations and Human Resources

Toronto, ON

Sep. 2018 – May 2020

University of British Columbia

Bachelor of Management

Kelowna, BC

Aug. 2014 – May 2018