

Quan Zhang(Zard)

FULL STACK DEVELOPER

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📍 Brisbane, QLD



<https://zard-portfolio.vercel.app/>

ABOUT

Holding a Master's degree in Information Technology from the University of Queensland (UQ), I am keen to delve into Front-end or Full-stack Developer roles. I bring forth a deep passion for web technologies and a knack for exploring unconventional solutions. With a solid foundation in HTML, CSS, JavaScript, TypeScript, React, Java and Python.

TECHNICAL SKILLS

Languages: HTML, CSS (Sass, Tailwind), TypeScript, JS, Java, Python

Frameworks/Libraries: React, Redux, Node.js, Next.js, MongoDB, Express

Tools: Git, Docker, AWS, GCP, Firebase, Bootstrap

Methodologies: Agile, Responsive Design, REST APIs, MVC, CI/CD

QUALIFICATIONS

Dec 2022 The University of Queensland | Master of Information Technology, Brisbane, QLD

Jul 2018 Hebei Finance University | Bachelor of Insurance, Baoding, China

INTERNSHIP EXPERIENCE

M.C.S

Web Developer Intern

April 2023 - June 2023

- Maintained and updated e-commerce site for eBay store increasing sales by 20%.
- Maintained and updated merchandise information on the store site to ensure data accuracy and timeliness. Optimized content management workflow.
- Collected and analyzed merchandise data using Jsoup to provide business insights. Improved efficiency through technical solutions.
- Demonstrated collaboration and communication skills by working with cross-functional teams.
- Showcased ability to learn new skills by picking up and utilizing new technologies and frameworks for projects.

MAJOR PROJECTS

CRWN-Cloth: Developed a full-stack web application with React, Express, Node.js, and MongoDB. Implementing key features of a shopping site ([Demo](#)).

Front-End:

- Designed and built an e-commerce web application with similar features as Crown Clothing from scratch using React framework, including reusable components for displaying content, a good shopping cart, login management, payment with Stripe.
- Followed the latest React design patterns and utilized functional components with hooks for state management to ensure efficient performance and maintainability.
- Created the single-page application with smooth page navigation using a clear routing structure built with React-Route V6.
- Used Axios & Promises to retrieve data from the RESTful API.
- Implemented Redux-persist middleware to maintain centralized storage for user authentication, check out and other information while ensuring consistency during user operations.

Back-End:

- Developed and secured a RESTful API with Express.js in Node.js, paired with MongoDB as the NoSQL database. Implemented HTTPS and SSL certificates for encrypted and trusted communication.
- Streamlined data operations from MongoDB, integrating back-end JWT authentication and the Stripe payment gateway for enhanced security and seamless transactions.
- Adhered to the MVC architectural pattern, ensuring codebase clarity and maintainability, while following industry best practices for optimal scalability and efficiency.
- Deployed applications seamlessly on AWS Elastic Beanstalk, emphasizing performance, resource utilization, and streamlined monitoring.

E-Commerce Website

This project demonstrates a specialized e-commerce platform for selling audio systems, headphones, and other electronic products. The application utilizes React and Redux and is written in TypeScript, thereby improving type safety and code readability and maintainability.

- A sophisticated user interface has been created using React and its reusable components. This interface showcases electronic products for sale and includes features such as shopping cart management and a checkout payment system.
- The application adheres to the most recent React design patterns, utilizing Hooks and Redux to optimize performance and maintainability.
- Using React-Router V6, a coherent routing structure has been established, providing users with a seamless single-page application experience.
- Redux-persist middleware has been used to implement a centralized storage system, ensuring user operation consistency.
- Yup handles form validation, while styled components is used for interface design. This website's responsive design assures a uniform user experience across a vast array of devices and browsers.

Repository: <https://github.com/asdfqweasd/eCommerceEarPhone>

React-Admin

- Developed a React Admin Dashboard from scratch, using React, Material UI, Nivo Charts, Formik, Yup, Full Calendar, and Data Grid to build the entire application.
- Implemented light and dark mode switching, providing excellent user experience.
- Implemented a form page using Formik and Yup for form validation and handling.
- Integrated Full Calendar for calendar functionality, allowing users to add, edit, and delete events.
- Integrated four different data visualization charts, including bar charts, line charts, pie charts, and her custom charts.

Repository: https://github.com/asdfqweasd/React_admin

CodeIgniter_PHP

- Developed a Content Management System (CMS) using the CodeIgniter PHP framework, focusing on user-friendly features and security.
- Incorporated user registration, login, and logout functionality, maintaining user login status and authentication.
- Integrated file upload functionality, allowing users to upload images or other files.
- Implemented email verification and notification functionality, enhancing user interaction and security.
- Ensured user passwords are not directly visible in the database, even to administrators, to protect user privacy and maintain security.

Repository: <https://github.com/asdfqweasd/Codeigniter-php>

REFEREES

Reference will provided on request.