

ZARDQUANZHANG

CONTACT

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SKILLS

Front-End and Back-End Development

Web Design and Web Security

Organisational and teamwork

API Integration and Database Management

Interpersonal and Time Management

Content Management Systems

Good attention to detail and multitasking

Excellent verbal communication skills

Analytical Thinking and Problem Solving

Leadership and critical thinking

Database Management

Integrated Development Environments

Cloud Computing and DevOps

TECHNICAL SKILLS

Programming Languages such as HTML, CSS, JavaScript, TypeScript, Java, Python

Frameworks/Libraries such as React, Next.js, Node.js, MongoDB, Express, Enzyme, Jest

Tools such as Git, Docker, AWS, Kubernetes, GCP, Firebase, Visual Studio Code

Methodologies such as Agile, Responsive Design, REST APIs, MVC, CI/CD

PROFILE

Versatile professional with a solid background in web design and development, coupled with hands-on experience as a Java Developer. Adept at crafting visually captivating and user-friendly web interfaces while also contributing to the robust functionality of both front-end and back-end components. Proficient in HTML, CSS, JavaScript, and Java, with a track record of successfully delivering projects that seamlessly blend form and function. Known for adaptability, strong problem-solving skills, and a commitment to staying updated with evolving web technologies. Excels in collaborative environments and brings a multidisciplinary approach to projects, ensuring a holistic and impactful web presence

WORK EXPERIENCE

Web Developer

M.C.S - Brisbane

2 month casual

- Website and software application designing, building or maintaining
- Using scripting or authoring languages, management tools, content creation tools, applications and digital media
- Maintained and updated e-commerce site for eBay store increasing sales by 20%.
- Directing or performing Website updates
- Editing, writing or designing Website content, and directing team members who produce content
- Back up files from Web sites to local directories for recovery
- Determining user needs by analysing technical requirements

Java Developer Intern

Chuanzhi Broadcasting

March 2021 to August 2021

- Designing and implementing Java-based applications
- Defining application objectives and functionality
- Aligning application design with business goals
- Developing and testing software
- Debugging and resolving technical problems that arise
- Producing detailed design documentation
- Recommending changes to existing Java infrastructure
- Developing multimedia applications
- Developing documentation to assist users

FULL-STACK WEB APPLICATION PROJECT

Front-End

Build a massive E-commerce app with React and Redux, Hooks, Stripewith JavaScript, and TypeScript.

- 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
- 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 centralised storage for user authentication, check out and other information while ensuring consistency during user operations

Visit: <https://web.crwnclothzard.com>

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

QUALIFICATIONS

Master of Information Technology
The University of Queensland (UQ),
[Brisbane, QLD]

Bachelor of Insurance
Hebei Finance University, [Baoding,
China]

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, emphasising performance, resource utilisation and streamlined monitoring
- Repository: https://github.com/asdfqweasd/CRNW_clothing_Server

E-Commerce Website

- This project demonstrates a specialised e-commerce platform for selling audio systems, headphones, and other electronic products. The application utilises 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 & includes features such as shopping cart management & a checkout payment system
 - The application adheres to the most recent React design patterns, utilising Hooks and Redux to optimise 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 centralised 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, FullCalendar 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 four different data visualisation charts, including bar charts, line charts, pie charts, and other custom charts
- Repository: https://github.com/asdfqweasd/React_admin

Codeigniter_PHP

- 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
 - 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>

FlameLet

- Responsible for functional design and Node.js development on the backend.
 - Several interviews were conducted with people who were feeling burned out at work, and several features were extracted & designed to help them in their lives.
 - Created interactive prototypes and user cases by conducting several rounds of user tests for iteration
 - Node.js was utilised to create the database and schema for the entire application, connecting the front-end and back-end while following the MVVM architecture, and completing the CRUD operations on the data.
- Repository: <https://github.com/asdfqweasd/FlameLet>