

# FAY WU | FRONT END WEB DEVELOPER

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## PROFILE

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- I'm a web developer with strong skills in Front-end Frameworks and Libraries, UX/UI best practices, Troubleshooting/Debugging and Responsive Design Principles.
- Proficient in ReactJS (Router-Dom, React Query, Redux), Tailwind CSS, Axios, and UX/UI design software such as Adobe Photoshop/Indesign and Figma, and solid knowledge in NextJs, TypeScript, Prisma, Shadcn, Rest API integration, and Git fundamentals.
- Completed relevant industry projects such as the "CRUD Review App" which involved developing a CRUD app for managing user reviews that aim to enable the creation, modification, and deletion of personalized reviews based on individual login credentials, "Product Page Component" which included building a UX/UI-focused e-commerce sneaker product component encompassing various interactive components such as displaying products as well as review pages and "Products Filter Component" which involved building a dynamic React component that primarily focuses on product filtering, empowering users to easily navigate and refine their footwear choices with precision and efficiency.

## KEY SKILLS

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- **Front-End Development:** Experience in implementing user-facing features and components using modern front-end frameworks like React and NextJs and ensuring the responsiveness and compatibility of web applications across different devices and browsers.
- **React Hooks / State Management Solution:** Skilled in leveraging React Hooks and/or Redux, efficiently handling component-level state and side effects, leading to more maintainable and performant React applications.
- **Data fetching solutions:** Experience in modern hook-based data fetching tools such as but not limited to React Query, Rest API with Axios, JavaScript formData, React Router-Dom Form and Shadcn form to streamline data retrieval and enhance application performance.
- **Multi-Page Web:** Experience in building multi-layered websites using React-Router-Dom or/and NextJs in combination with Prisma for full-stack database access and management.
- **UX/UI Practice:** Experience in designing interfaces that are intuitive, user-friendly, and accessible with Photoshop, Indesign and Figma. Highly skilled in understanding the target audience, creating clear navigation, maintaining visual consistency, and ensuring responsiveness of web design.

## QUALIFICATIONS & CERTIFICATIONS:

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- **HTML, CSS, JavaScript, React, NextJS, TypeScript, Git/GitHub** - Udemy, Present
- **Professional Engineer** - Engineers Australia, 2015
- **Master of Interior Design** - Pratt Institute (USA), 2008
- **Furniture Design** - DIS (Demark), Summer 2006
- **Bachelor of Mechanical Engineering** - National Chung-Hsing University (Taiwan), 2004

## PROFESSIONAL EXPERIENCES

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### FRONT END WEB DEVELOPER

2023 – Present

Brisbane / Freelance

#### Responsibilities:

- Translating design mock-ups and wireframes into responsive and functional user interfaces by writing clean, efficient, and maintainable code using HTML, Tailwind CSS, JavaScript, React and NextJs.
- Troubleshooting and debugging issues to ensure the smooth functioning of web applications.
- Integrating front-end components with back-end server-side logic and databases. Including making API requests, handling authentication, and managing data flow between client/server.
- Learning and adapting to new technologies and frameworks as required by the project and following best practices and coding standards to ensure the quality and reliability of code.

### INTERIOR DESIGNER

2018 – 2022

Brisbane & Remote / Contract & Freelance

#### Responsibilities:

- Utilizing industry-standard software such as AutoCAD, SketchUp, Rhino and Adobe Creative Suite to create detailed floor plans, 3D models, and presentations, enhancing visualization and communication of design concepts.
- Collaborating closely with clients to understand their design preferences, lifestyle, and project goals, ensuring a personalised and tailored approach to each project.
- Maintaining a high level of client satisfaction, resulting in repeat business and word-of-mouth referrals. Fostered positive client relationships through effective attention to detail, communication, and delivering exceptional design outcomes.
- Proactively staying updated on the latest design trends, software, and emerging technologies in the interior design tech landscape, integrating new methodologies and tools to enhance design processes and deliver cutting-edge solutions.

### SERVICE NSW

2015 – 2018

Sydney, NSW / Digital Service Representative

#### Responsibilities:

- Harnessing online technology to deliver exceptional customer experiences, utilizing digital tools / platforms to streamline interactions, provide seamless service to optimize user engagement.
- Fostering positive client relationships by maintaining a professional and friendly demeanour, and prioritizing client satisfaction through effective use of technology and digital communication channels.
- Advocating for the adoption of digital services, and actively educating users on the benefits and functionalities of online platforms. Empower customers to embrace digital solutions for a more efficient and user-friendly experience.
- Monitoring digital performance within the centre, taking proactive measures to increase adoption rates and drive usage. Utilise data-driven insights to optimise the digital experience. Contributing positively to the team environment by incorporating technological solutions, fostering a culture of innovation, and collaborating on tech-driven initiatives.

ARCHITECTURAL DESIGNER, TARANTA CREATION, SHANGHAI, CHINA

2009 - 2012

INTERIOR DESIGNER, LEESER ARCHITECTURE, NEW YORK, USA

2008 - 2009

INTERIOR DESIGNER, ROCKWELL GROUP, NEW YORK, USA

2006 - 2007

## KEY WEB DEVELOPMENT PROJECTS

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### CRUD REVIEW APP

<https://crud-review-app-fwudesign.netlify.app/>

**Objective:** To develop a CRUD app for managing user reviews that aims to enable the creation, modification, and deletion of personalized reviews based on individual login credentials.

**Key Tasks:**

1. Implementing the core functionality of the project using JavaScript, React, and associated libraries such as React Router, Redux for state management, Tailwind for styling, and Toastify for notification messages.
2. Creating dynamic sliding tabs on the overview page to provide interactive features such as copy-to-clipboard functionality, dynamic business hour formats based on local time, and image slides for visually appealing content presentation.
3. Implementing click-to-review star buttons on the reviews page to facilitate easy access to the review submission process, leading users to log in/register pages as necessary.
4. Developing functional review filters and pagination for efficient navigation and exploration of user reviews.
5. Implementing user login and registration functionality with localStorage to securely store user credentials and session information.
6. Developing a result page with the capability to edit or delete user reviews, providing users with control over their submitted content; implementing navigation links back to the home page to display updated reviews, ensuring seamless user experience and content management.
7. Ensuring that user reviews are tied to specific user accounts and stored securely in localStorage, as well as implementing data storage mechanisms to ensure that user-specific reviews are only accessible by the corresponding user and are retained across sessions until logout.

**Outcome:** Successfully designed a fully functional CRUD (Create, Read, Update, Delete) web application for managing user reviews, featuring dynamic interactive elements, user authentication, local storage data storage, and seamless user experience.

### PRODUCT PAGE COMPONENT

<https://singleproduct-page-fwudesign.netlify.app/>

**Objective:** To build a UX/UI-focused e-commerce sneaker product component encompassing various interactive components such as displaying products as well as review pages.

**Key Tasks:**

1. Utilizing React to create carousel components for showcasing featured product images, build components for selecting and displaying products, ensuring seamless navigation and intuitive user interaction.
2. Developing modal slide functionality to display detailed image information and additional content upon user interaction.
3. Implementing product cards with dynamic content and responsive design.

4. Developing an accordion-style interface to organize and display frequently asked questions related to the products.
5. Implementing search/filter functionality for user reviews using Redux to manage state and data flow.
6. Developing filtering options based on review attributes such as rating, date, or relevance, enhancing user experience and usability.
7. Developing pagination functionality to efficiently navigate through a large number of products or reviews, ensuring optimal performance and user experience; as well as utilizing Redux to manage pagination state and control the display of content based on page navigation.

**Outcome:** Successfully delivered a dynamic and visually appealing e-commerce component dedicated to sneakers, featuring a range of interactive components such as carousels, modal slides, product selection, Q&A accordion, review search and filter functions, and pagination for offering a seamless user experience and comprehensive product browsing capabilities.

## PRODUCTS FILTER COMPONENT

<https://birk-products-filter-fwudesign.netlify.app/>

**Objective:** To build a dynamic React component that primarily focuses on product filtering, empowering users to easily navigate and refine their footwear choices with precision and efficiency.

### Key Tasks:

1. Integrating a sidebar navigation menu to facilitate user exploration and navigation through different product categories or filtering options, enhancing the browsing experience.
2. Implementing dynamic height-calculation collapses for product descriptions or details, allowing users to expand or collapse content sections based on their preferences, optimising space utilisation and readability.
3. Providing users with multiple sorting filters to refine product listings based on various criteria such as price, popularity, or relevance, empowering users to find their desired footwear with ease and efficiency.
4. Enforcing input restrictions for price fields to ensure valid and accurate input from users, enhancing data integrity and preventing input errors. Additionally, implementing a clear function to reset filter selections and facilitate user refinement without hassle.
5. Incorporating pagination functionality to manage large datasets of products, allowing users to navigate through multiple pages of search results seamlessly, enhancing usability and scalability of the product filtering component.

**Outcome:** Successfully delivered a robust and user-friendly product filtering component, offering an intuitive and efficient way for users to explore and refine their footwear selections. With dynamic filtering options, clear navigation controls, and seamless pagination, users can effortlessly browse through a vast array of products, ensuring a tailored and enjoyable shopping experience.