

SARA DUNLOP | SOFTWARE ENGINEER

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks/Tools: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, jQuery, AWS S3, Docker

Key Skills: Test-driven development, object-oriented programming, pair programming, scrum and agile methodologies

PROJECTS

RIBBIT (React, Redux, CSS, Flask, SQLAlchemy, Alembic, Python)

[live](#) | [github](#)

A pixel perfect clone of Reddit with Posts, Comments, Communities, Subscriptions, Community rules, Voting system, User profile, Search, and AWS S3 image uploading.

- Exceeded the expectations of the parameters of the project and developed from a user standpoint to produce a quality web app that feels completed and easy to use.
- Employed the use of SQLAlchemy to design a database that adheres to industry standards and best practices.
- Utilized AWS S3 to implement user image uploads, reducing server load and allowing for scalability of images.
- Applied customized functionality to the react-quill library for improved user experience in rich text editing.
- Reduced page loading times by implementing DRY principles to eliminate stacking/repeating dispatches to the Redux store across multiple React components.

REDUNCRATE (React, Redux, CSS, Flask, SQLAlchemy, Alembic, Python)

[live](#) | [github](#)

A clone of the e-commerce website Uncrate.com featuring Products, Favorites, Search, Carts, and Order History.

- Effectively coordinated and communicated with team members to delegate tasks, adhere to agile workflow, and ensure seamless merges via Github, allowing for quick and efficient completion of the project.
- Built the majority of the user interface and adhered to CSS and web design best practices, resulting in a web app that is responsive, beautifully-designed, and a pixel-perfect representation of Uncrate.com.
- Created the "single product" page which includes a complex image carousel, a working randomly-loaded "featured products" section, and a near-identical implementation of Uncrate's CSS-heavy footer.
- Thoroughly tested and fine-tuned each feature, eliminating the presence of all bugs to give users a well-developed experience free of interruptions.

AIRBNBEEZY (React, Redux, CSS, Express, Sequelize)

[live](#) | [github](#)

A pixel-perfect clone of Airbnb that includes features such as Listings, Listing Images, Reviews, and Bookings.

- Incorporated React-Redux container and Redux selector patterns to architect highly scalable and uni-directional front-end state management.
- Ensured user privacy and autonomy through frontend and backend authentication measures and React Router, allowing users to only access and make changes to personal reservations when logged in.
- Used CSS to create a site nearly indistinguishable from the real Airbnb with perfectly-styled components like image carousels, categories, and popup modals.
- Integrated features through the utilization of Sequelize to seamlessly connect the frontend to the backend.

EXPERIENCE

Owner | *Personal massage business* Oct 2016 - Dec 2021

- Maintained a loyal client base of around 50 clients as a result of superb customer service and customization.
- Developed and cultivated lucrative relationships with new and existing clients through effective communication and exemplary interpersonal skills.
- Devised an online marketing strategy that resulted in an increase in profit levels and new clientele.

EDUCATION

Full Stack Software Engineering - App Academy | Completed February 2023

General Education - American River College | 2010 - 2012