

Nan Guo

Bay Area, California

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[GITHUB](#)

[LINKEDIN](#)

[PORTFOLIO](#)

TECHNICAL SKILLS

Programming Languages: Python, Javascript, SQL, HTML, CSS

Frameworks/Tools: React, Redux, Flask, Node.js, Express.js, AWS, Docker, Git

Database: SQLite, Sequelize, SQLAlchemy, PostgreSQL

PROJECTS

Nansty | Full-stack development | React/ Redux, JavaScript, Python, Flask, AWS, SQLAlchemy [live](#) | [github](#)
(E-commerce website, inspired by Esty.com, offer similar capabilities for users to buy and sell products)

- Implemented the data persistence layer by SQLAlchemy and Alembic, including database schema management, migration and query-building capabilities to ensure data consistency of users.
- Utilized the useEffect and fetch API to retrieve products from backend and useDispatch hook in order to dispatch actions to the Redux store as part of the Cart features and allows the user to add products to the cart.
- Leveraged AWS S3 for image upload to reduce server load and have stable and scalability of image services.

Slacky | Full-stack development | React/ Redux, JavaScript, Python, Flask, Socket.io [live](#) | [github](#)
(Team collaboration tool, inspired by Slack.com, provides real-time messaging, archiving, search functions)

- Utilized WebSockets to enable real-time chat functionality and enhance the platform's overall usability.
- Implemented search function by React/Redux to manage the search state and display results to users, while the backend extracts keywords from the query and uses them to search the indexed content.
- Collaborated closely with team members by Git to create branches for different features and merge back into the main branch when they were ready for review and testing, leveraged Agile methodologies to break down the project into smaller tasks and 'user stories', working on them in sprints.

Airb-b | Full-stack development | React/Redux, JavaScript, Express.js, Node.js, Sequelize [live](#) | [github](#)
(Short-term rental platforms, inspired by airbnb.com, enables to list and book accommodations)

- Leveraged powerful features with Node.js and Express.js for creating server-side JavaScript applications with APIs and efficient request handling.
- Built booking system with React-date and Moment.js libraries to parse and manage date input from users, resulting in a more user-friendly interface and improved date accuracy.
- Incorporated the Google Maps API into map view feature, providing users with accurate locations and granular control over zoom levels for visibility.

EXPERIENCE

Senior Staff member

China Chamber of Commerce for Import & Export of Light Industrial Products June 2012 - Dec 2021

- Held a leadership role in managing China top enterprises in the furniture, toys, luggage, and related products sections, which had an annual import and export volume exceeding \$100 billion.
- Organized and participated in numerous trade shows and exhibitions.
- Worked closely with government agencies and business associations in other countries to identify new opportunities for collaboration and establish partnerships.
- Analyzed the import and export data from China's Customs and Global trade databases, contributed to the China Annual Import and Export Reports, provided analysis of the current issues and predicted future trends, which was essential for the policymakers to formulate effective trade policies.
- Achieved the title of 'Outstanding Employee' for several consecutive years.

EDUCATION

Web Development - App Academy | Fall 2022

Master Degree- Renmin University of China | 2009 - 2012