

Cheng “Cici” Cheng

Software Engineer

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SKILLS

Programming Languages: JavaScript, Python

Web Development: React, Redux, JavaScript, HTML, CSS

Frameworks / Tools: Node.js, Express.js, Flask, Sequelize, SQLAlchemy, PostgreSQL, Docker, Render, Git

PROJECTS

Asanc | (*React / Redux, Python, Flask, SQLALchemy, AWS*)

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- Built a web-based task management system similar to Asana with React / Redux frontend and Flask backend, using SQLite3 for development and PostgreSQL for production, to store user, project, section, and task information.
- Embodied a secure and efficient attachment upload feature using **Amazon Web Services** (AWS).
- Enhanced the task assignment process by incorporating a user-friendly **React-Select** package, enabling efficient selection of assignees through search, filter, and display of the assignee's name and avatar.
- Incorporated a calendar-based task due date selection feature using the **React-Calendar** package, providing a user-friendly and intuitive interface with disabled non-selectable dates.

Eriscord | (*React / Redux, Python, Flask, SQLALchemy, WebSockets*)

[Live](#) | [GitHub](#)

- Developed a real-time chat application similar to Discord with user authentication, server/channel/DM messaging using **React / Redux** for the frontend, **Flask** for the backend, and **WebSockets** to create live chat functionality and increase user engagement and collaboration.
- Implemented **SQLAlchemy ORM** for efficient database management with custom SQL queries across multiple tables, using **SQLite3** for development and migrating to **PostgreSQL** for production.
- Collaborated with a team of 3 developers to design and implement the project on a tight timeline utilizing **Agile methodologies** and **Git** for project management and version control resulting in increased organization and workflow and improved collaboration among team members.
- Deployed the application on **Render**, providing easy scalability and global accessibility.

Aircnc | (*React / Redux, Express.js, Node.js, Sequelize, Heroku*)

[Live](#) | [GitHub](#)

- Designed a web application inspired by Airbnb, and employed custom **SQL** data retrieval with **Sequelize ORM** across multiple tables, using **Sqlite3** during development and migrating to **PostgreSQL** for production.
- Integrated a backend based on **Node.js** and **Express** and a frontend utilizing **React / Redux** for the web application, improving communication and enabling dynamic UI updates through efficient state management.
- Deployed the application on **Heroku**, providing a reliable and secure platform for public access and scaling to meet the demands of the user base.

EXPERIENCE

Technical Support Engineer

Founder International Co., Ltd

Jan 2011 - Dec 2013

- Provided technical support for the company's main product a visual development platform, instructing users and troubleshooting issues for enterprise app development.
- Responded to technical inquiries from potential customers, collaborated with the development team to provide detailed and accurate answers, and assisted in evaluating the product's technical feasibility for prospective clients.
- Assisted in the development of an internal CRM application using **Java** and the company's proprietary platform, leveraging technical skills to contribute to the design and implementation of key features such as lead management, and customer data management, resulting in efficient customer interaction management.

EDUCATION

AppAcademy - **Full-time Coding Bootcamp Program**, Jun 2022 - Jan 2023

East China University of Technology - **Bachelor's of Engineering in Software Engineering**, 2005 - 2009