

SKILLS

Programming Languages: JavaScript, Python, C#, SQL, HTML, CSS, Git

Frameworks/Tools: Node.js, Express, Sequelize, Socket.io, Flask, WTForms, SQLAlchemy, SQLite, PostgreSQL, React, Redux, Redux-thunk, Docker, Heroku, Unity, RESTful, Matlab

Tech Skills: Pair Programming, Test-Driven Development (TDD)

Languages: Mandarin Chinese (Native), English (Fluent), Japanese (Fluent)

PROJECTS

swEtsy | (JavaScript, React / Redux, Python, Flask, SQLite, PostgreSQL)

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

- Developed a robust functional search feature with Flask query filters, different React event handlers and Regex, to eliminate invalid inputs from both the search bar and the browser URL bar as expected.
- Introduced my requirement analyzing skill then quickly implemented backend Restful **API** routes with seamless ability to extend based on frontend requirements to maintain great scalability.
- Collaborated with team of 4 software engineers to orchestrate complex debugging including fast bug-isolation, solution searching, and technical communication using **Scrum Methodologies** to increase development efficiency.

Doorskid | (JavaScript, React / Redux, Express, Sequelize, Socket.io, SQLite, PostgreSQL)

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- Utilized Socket.io in both the server and client side with the built-in chat-room function and emitting to specific users for the live message CURD after efficiently discovering the socket connection and the data flow.
- Boosted application durability by adding abundant and reasonable error handling and limitations with **HTML**, **React**, **Sequelize** model and migration to prohibit unexpected inputs from breaking the site.
- Engineered with the Sequelize queries and a new Redux dispatch logic, which allows the content synchronously updated on the client's browser, and made them intent and bug-free with **CSS** and **React** Classname tricks.

Catbnb | (JavaScript, React / Redux, Express, Sequelize, SQLite, PostgreSQL)

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

- Introduced **Express.js** middleware groups to make reusable, modularized and easy-to-combine middleware functions for validation, authentication and authorization, finally improved the DRY/SRP of the code.
- Established some unique Redux state key-value pairs for faster user authority check, which promised only specific users under the right conditions could be accessible to some sensitive and privat functions.
- Achieved the AWS S3 image uploading with the pictures from the local machine which ensured the images were loaded at a stable time and ensured the images would be present rather than using outlink image URLs.

EXPERIENCE

Manager of Technical Service Department

Beidou Satellite Information Service Co., Ltd

Apr 2014 - May 2015

- Improved company workflow with engineer management logic (DRY, SRP) and knowledge from system management ensuring clear cooperation and responsibility relations.
- Researched and taught team the technical concept overview of our cooperators' companies, ensuring members had enough knowledge about cooperators and their business field before further negotiation.
- Regulated a 15M\$ project with head companies in the industry with my active listening, communication skills and multi-task management to ensure that all the paperwork was finished and submitted on time in a short interval.

EDUCATION

AppAcademy - Javascript & Python full-stack April Cohort for the newest technology stack in the industry, 2022

Technical University of Denmark - Computer Engineering in Efficient & Intelligent Systems, 2016-2018

Kyoto Computer Gakuin (Japan) - Exchanged student in Information Technology, 2013-2014

Tianjin University of Science & Technology - BS Computer Science in Information Technology, 2010-2014