

Yasha Yang

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[Portfolio](#)

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Skills

JavaScript (ES6+), Python, React (Hooks), Redux, Node.js/Express, Flask, SQL, SQLite3, PostgreSQL, SQLAlchemy, AWS, NPM package, Heroku, Render, JIRA, Git, HTML5/CSS3, Mocha/Chai, Docker, Ruby on Rails, TypeScript

Projects

Yira | Software Engineer | A **single-page** web app for project management | Jan 2023 - Present [live site](#) | [github](#)

- Constructed intuitive **RESTful API** endpoints utilizing **Python** and **Flask**, incorporating advanced decorators and custom functions for efficient routing and requests handling.
- Effectively managed user data exchange between client-side application and relational **PostgreSQL** database, leveraging **SQLAlchemy's** streamlined lightweight design for accelerated development pace.
- Architected **React-Redux** solution for reliable, predictable state management within a centralized store, ensuring optimized UI performance and seamless API communication using **Redux Thunk** middleware.
- Utilized **React Hooks** for scalable state management through organized custom hooks.
- Efficiently connected the Flask back end to **AWS S3**, enabling user to store and retrieve files, which significantly reduced server load while ensuring scalability and improved performance of image services.
- Utilized the doc-viewer npm package for file previewing, enabling the users to preview multiple files.

Anya | Software Engineer | Online marketplace for holiday shopping | Dec 2022 [live site](#) | [github](#)

- Collaborated in developing and coding application components within a fast-paced Agile environment, partnering with 4 engineers to implement efficient **Git** and **pull** request workflows for streamlined progress.
- Developed and designed **Python** based API (Restful Web Service) to interact with **PostgreSQL** database.
- Applied **React hooks** to create components and maintain a clean codebase by minimizing potential side effects, reusing stateful logic between components, avoiding deep component tree.
- Architected and implemented Redux layer to provide predictable state management during search workflow.

Airdnd | Full Stack Engineer | Online marketplace for short-term homestays | Nov 2022 [live site](#) | [github](#)

- Incorporated **Node.js** and **Express** to take advantage of REST architecture, and to translate a variety of requests into dynamic database queries through flexible middleware for optimal performance.
- Utilized React to construct a responsive web application which incorporates reusable component structure in tandem with the virtual DOM, delivering faster page rendering which only updates components when necessary.

Experience

OUTFORM, Project Manager | Irvine, CA (Remote) Sep 2021 - Feb 2022

*Working with the **Amazon** marketing team on launching/promoting Amazon smart home devices.*

- Worked closely with the **client, engineer** and **UX team** to review the requirements, architectural decisions, client feedback and design to further refine the backlog items and achieve successful iterations.
- Drove cross-functional stakeholder alignment to manage project resources, timelines and issues for on time and on budget project completion, which enabled a reduction in average delay of project delivery by **18%**.
- Implemented a streamlined approach to techno-commercial discussions, budget estimation and product development, ensuring that all projects were consistently delivered within budget and deadlines.

HHGlobal, Production Manager | Irvine, CA Nov 2019 - Sep 2021

- Successfully implement and autonomously manage strategic processes aimed at enhancing productivity, quality, and efficiency for the inventory program spanning two expansive 20,000 sq ft warehouses by **33%**.
- Closed all projects with equal or higher margin than estimated. Secured a Unilever order worth **\$1.23M** in net revenues, with a projected operational **gross profit of 62.5%**.

Education

Murray State University | Master of Science, Information Technology

Beijing University of Posts and Telecommunications | Bachelor of Science, Management information Systems

App Academy | Immersive software development course with focus on full stack web development