

# Louisa Shing

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## TECHNICAL SKILLS

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**Languages:** JavaScript ES6, Python, TypeScript, HTML5, CSS3

**Frameworks:** React, React Native, Node.js, Express, Material-UI, Next

**Testing and Deployment:** AWS, Docker, NGINX, Jest, React Testing Library, Webdriver.io, Cucumber

**Developer Tools:** Git, NPM, Linux, Webpack, GraphQL

**Database Systems:** MySQL, Postgres, MongoDB, Redis

**Concepts:** Agile Development, Object-Oriented Programming and Design (OOP), Microservices Architecture

## EXPERIENCE

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### Software Engineer

May 2022 – May 2024

*Tendo*

*Walnut Creek, CA*

- Designed, developed, and optimized the patient sign-up/onboarding flow using Redux, resulting in a 30% increase in patient portal usage.
- Enhanced patient data access through GraphQL hooks and collaboration with backend engineers using React Query, contributing to a 30% increase in portal usage and a 20% reduction in administrative workload.
- Developed a component library in React, standardizing UI elements across the application, reducing front-end development time by 25%, and ensuring consistent branding.
- Collaborated effectively with UI/UX and product managers to streamline user interfaces, navigation, and add interactive features, boosting user engagement by 15%.
- Authored comprehensive technical design documents to streamline product feature development and ensure alignment with business goals.
- Enhanced application responsiveness and conducted thorough unit/end-to-end testing with Jest, React Testing Library, Webdriver.io, and Cucumber, reducing bugs in production by 35%.

### Pharmacist

February 2016 – Present

*UCSF Benioff Children's Hospital, Fremont Hospital, Kindred Hospital*

*Oakland, CA*

- Collaborate with interdisciplinary teams to develop and implement individualized patient care plans, demonstrating strong teamwork and communication skills.
- Supervised pharmacy staff and facilitated medication deliveries to over 50 nursing homes and assisted living facilities.

## PROJECTS

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### Quick Bagel | *React Native, Express, Node.js, MongoDB, Firebase*

**Github**

- Developed geolocation functionalities within a React Native app, allowing users to efficiently plan and track errand routes with dynamic calculations of task completion times, improving the errand-running experience.
- Standardized front-end codebases with shared components and CSS modules, increasing development velocity and maintaining brand consistency.

### Project Greenfield | *Node.js, Express, Postgres, Docker*

**Github**

- Refactored existing systems into microservices using Node.js, Express, and deployment managed through AWS EC2 instances, boosting scalability and performance to handle increased loads from 500 RPS up to 1000 RPS.
- Reduced latency by performing tuning a database bottleneck with indexing and Redis caching.

### Atelier | *React.js, Express*

**Github**

- Optimized an e-commerce website's performance by 40% with text compression, code, modularization, and image file size reduction.

## EDUCATION

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### Hack Reactor

*Advanced Software Engineering Immersive Program*

Remote

*January 2022*

### University of the Pacific

*Doctorate of Pharmacy, Bachelor of Applied Science*

Stockton, CA