Louisa Shing

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TECHNICAL SKILLS

Languages: JavaScript ES6, Python, TypeScript, HTML5, CSS3
Frameworks: React.js, React Native, Node.js, Express.js, Material-UI, Next.js, JQuery
Testing and Deployment: AWS, Docker, NGINX, Jest, React Testing Library, Webdriver.io, Cucumber
Developer Tools: Git, NPM, Linux, Webpack, Babel, GraphQL
Database Systems: MySQL, Postgres, MongoDB, Redis
Concepts: Agile Development, Object-Oriented Programming and Design (OOP), Microservices Architecture

EXPERIENCE

Front End Software Engineer May 2022 – May 2024
Tendo *Walnut Creek, CA*

- Designed, developed, and optimized the patient sign-up/onboarding flow using Redux and React.js, resulting in a 30% increase in patient portal usage.
- Enhanced patient data access through the integration of RESTful APIs and GraphQL, which contributed to 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 reduced production bugs by 35% through thorough unit and end-to-end testing, cross-browser troubleshooting, and debugging using Jest, React Testing Library, Webdriver.io, and Cucumber.

PROJECTS

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

Hack Reactor Remote
Advanced Software Engineering Immersive Program *January 2022*

University of the Pacific Stockton, CA
Doctorate of Pharmacy, Bachelor of Applied Science *May 2015*