Samuel Chau

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Technical Skills

Languages: JavaScript (ES6), TypeScript
Databases: PostgreSQL, SQL, MongoDB (ODM: Mongoose), GraphQL
Frontend: ReactJS, Redux, HTML, CSS, Tailwind CSS, Green Sock (GSAP), ThreeJS, React-Three-Fiber
Backend: NodeJS, ExpressJS, NextJS
Testing: Cypress, Mocha, Enzyme, Jest, React Testing Library
Other Technologies: Git, Docker, Webpack, Babel, OAuth2.0

Professional Experience

Change Lab   March 2020 - Present
Software Developer   *Remote, USA*

- Revamped 4-year-old WordPress site using React, Postgres, and Express resulting in numerous new views and features for both users and admins
- Securely integrated PayPal utilizing the PayPal API in conjunction with server-side validation to capture payments for multiple products and services
- Developed relational data schemas, queries, and their respective REST API endpoints based on communicated business requirements
- Worked closely with game designers to build courses and training modules packaged as games using React and Redux

Project Experience

JobTrackr   Jun 2021 - Oct 2021
Personal Project

- Developed a job tracking web app where users can manage and organize jobs all in one view using React, Redux, Express, Postgres, and Firebase
- Designed and implemented data models and relations with API endpoints to interact with the data meaningfully
- Wrote automated integration and end-to-end tests to accelerate development and enforce data normalization
- Executed detailed plans and schedule for completing features in a timely manner

Cultivating Donors   Jul 2020 - Jan 2021
Change Lab / Software Developer

- Co-developed an interactive training app packaged as a game for orientation purposes
- Leveraged React, Redux, and SCSS to liven assets tying them to in-game state in line with team defined specifications
- Created reusable components and hooks to standardize common scene functionality such as movement, panning, and event dialogue

Publications

A Deeper Dive Into React State Management - *Medium Article*
Website Skeletons & Progressive Web Apps - *Medium Article*

Education

University of California, Irvine   **Irvine, California**
Bachelor of Science, Pharmaceutical Science   *June 2018*