

# ELLIOT CHANG

## FULL-STACK SOFTWARE ENGINEER

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**TECHNICAL SKILLS** • React • Redux • JavaScript (ES5 & ES6) • TypeScript • Ruby • Ruby on Rails • Node.js • Next.js • Express.js • Mongoose • PostgreSQL • MongoDB • HTML5 • Tailwind • CSS3

## EXPERIENCE

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**SOFTWARE ENGINEER** • *Cubeship Consolidation Co.* • Los Angeles, CA **10/2023 – Present**

- Crafted a TypeScript and Tailwind CSS-based shipment progress UI, reflecting Figma mock-ups, increasing customer satisfaction and engagement by 20%.
- Spearheaded the Automated Manifest System (AMS) view page development with intuitive forms, enabling accurate entry and updating of U.S. Customs declarations, enhancing process efficiency for users by 15%.
- Collaborate with engineers using Git and Scrum methodology to boost productivity by 20% on a unified codebase.

**ACCOUNTANT SUPERVISOR** • *Kinsel Accountancy Corporation* • Montrose, CA **09/2017 – 05/2023**

- Implemented automation utilizing VBA scripts to generate internal operational and financial reports, increasing efficiency by 20+%.
- Built financial packages through analysis and forecasting, quantifying predictive loss calculations for 100+ companies, resulting in total settlements valuing over \$25+ million.

## PROJECTS

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**REPS 'N' RECIPES** | [Github](#) | [Live](#) *React • Redux • MongoDB • Express • Mongoose • AWS S3 • Node • Git*

- Engineered a scalable backend using MongoDB and Mongoose, leveraging the flexibility of a non-relational database, reducing server response times by 30% and efficiently handling expanding user traffic.
- Developed an intuitive interface using React and Redux, and integrated Chart.js for real-time visual insights into nutritional and fitness progress, increasing user engagement and satisfaction by 20+%.
- Integrated Spoonacular API, providing users access to 700,000+ nutritional items and enabling streamlined management through advanced CRUD operations, thereby enhancing user experience and tracking accuracy.
- Constructed an inclusive exercise library and workout generator utilizing AWS S3, designed to accommodate users of varying experience levels.

**CLONEBNB** | [Github](#) | [Live](#) *React • Redux • Ruby on Rails • PostgreSQL • AWS S3*

- Fortified application with CSRF protection, restricting CRUD operations to authenticated users, bolstering data integrity and security.
- Optimized search functionality with debounce techniques to trigger updates every 0.5 seconds, conserving resources and enhancing UI responsiveness by minimizing unnecessary re-renders, elevating user experience.
- Enhanced system efficiency by over 20% by optimizing relational database calls through SQL join operations and implementing eager loading techniques to ensure smooth data access and reduced latency.
- Employed JBuilder for structuring JSON responses, optimizing data interaction between backend and frontend, and enabling a normalized Redux state for improved data coherence and management in React.

**SWISHIFY** | [Github](#) | [Live](#) *JavaScript • Python • D3*

- Utilized Python to interface with the NBA API, storing retrieved JSON data locally to reduce API calls, thereby optimizing data access and elevating application performance by over 50%.
- Processed and visualized over 10,000 data points from the NBA API, utilizing D3 and DOM manipulation to create detailed and accurate charts depicting All-NBA players' shot selection and efficiency.

## EDUCATION

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**APP ACADEMY** • *Full-Stack Software Engineering* • San Francisco, CA **05/2023 - 09/2023**

**UC RIVERSIDE** • *Bachelor of Science (B.S.) in Business Administration (Finance)* • Riverside, CA **09/2012 - 03/2017**