

Trisha Duong

Software Engineer | Los Angeles, CA | (626) 400-3544 | [Email](#) | [Linkedin](#) | [Github](#) | [Portfolio](#)

TECHNICAL SKILLS:

Languages & Frameworks:

JavaScript (ES6+), TypeScript, Tailwind CSS, React, Redux, Next.js, Vue, Pinia, Quasar, Node.js, Express.js, Mongoose

Technologies:

SQL (PostgreSQL, MySQL), noSQL (MongoDB), Prisma, Nginx, Webpack, Vite, TDD/Jest, Prisma, NextAuth.js, tRPC, Electron

EXPERIENCE:

OverVue (Open Source Product)

June 2023 - October 2023

Software Engineer

- Developed a Vue.js prototyping application using Node.js runtime (Electron) with Quasar UI components, streamlining the developer workflow and preserving user application architecture.
- Achieved a more agile codebase by removing more than 500 lines of redundant code, leading to easier code management, optimized resource utilization, and faster iteration cycles.
- Crafted an Interactive State Tree Dashboard for Vue.js developers, featuring a dynamic toggle for seamless navigation between Tree and Canvas modes, and enabling real-time visualization of parent-children component relationships.
- Incorporated Jest framework with thorough unit testing of store actions and application state to minimize bugs and foster application integrity and improving testing coverage by 10%.
- Product developed under tech accelerator OS Labs (opensource.labs.io).

JINS Eyewear, Arcadia

November 2020 – October 2023

Team Lead & Optician

- Employed cloud-based business application to deploy non-SQL inventory database for management of 100+ weekly orders and inventory analysis, improving operational efficiency and inventory accuracy.
- Developed training documentation and mentored 7+ staff, leading to higher customer satisfaction on surveys.

PROJECTS:

Software Engineer, [PetPals](#) — The Ultimate Doggy Playdate app

2024

- Boosted Google Lighthouse performance score from 55 to 99 by leveraging Next.js' server-side rendering and built-in image components.
- Enhanced type-safe backend efficiency by integrating Prisma with RESTful APIs for streamlined interactions with the PostgreSQL database, facilitating scalable data management for user profiles and ensuring seamless data retrieval.
- Incorporated session-based and password-less authentication through Google and Github via NextAuth.js, augmenting user experience and enhancing security across the platform.

Software Engineer, [Trivia Game Night](#) — Real-Time Multiplayer Trivia Game

2023

- Established React Router to deploy a single-page application (SPA) that supports seamless navigation and eliminating the need for refreshes and delivered conditional rendering based on user actions, augmenting smooth user experience.
- Integrated WebSocket library to establish instantaneous, bidirectional communication between multiple clients, enabling live data updates highly responsive gameplay interactions.
- Implemented the Mongoose framework in an MVC-architected application to optimize MongoDB integration, enhancing the gaming experience by refining data schema designs and improving query efficiency for precise user information storage.

EDUCATION:

- **Codesmith** Advanced Software Engineering Immersive Program
- **University of California, Irvine**, B.S., Biological Sciences

TALKS & PUBLICATIONS:

- “Syntax to Performance: Navigating the Compile Time and Runtime Divide” | [Medium](#) | 2023
- Sponsored Tech Talk | [Web Servers: Nginx & Apache](#) | 2023