

Jeffrey Zhang

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Education & Certifications

University of California, Los Angeles

B.S. Applied Mathematics

Oct 2020 - Jun 2022

Hack Reactor

Certificate in Advanced Software Engineering

Jan 2023

Technical Skills

Front End: React, JavaScript, TypeScript, Next.js, React Native, Swift, Kotlin, Tailwind, Redux, HTML/CSS, SEO

Back End: Python, Java, C++, Node.js, Express, PostgreSQL, MongoDB, SQL, MySQL, REST APIs, Firebase

Testing/Deployment: Docker, AWS EC2, TDD, Jest, Mocha, Chai

Tools & Technologies: Vim, Git, Webpack, Babel, Nginx, Agile, Jira

Experience

Software Engineer | ANSOL Inc.

Oct 2024 - Present

- Migrated a legacy planning and scheduling application to a modern JavaScript-based framework, improving front-end performance, maintainability, and data integration across key system modules.
- Designed and delivered new user-facing features including dynamic timelines, sortable tables, and modals, directly improving analyst productivity and streamlining complex data workflows.
- Guided an external team's security compliance web application and spearheaded its migration through view-model design, data typing, and component integration, significantly accelerating their migration timeline and eventually becoming the point of contact for the app.

Software Engineer Intern | Checkins.ai

Sep 2023 - Mar 2024

- Implemented 25% of overall code additions to the main HotelCheckins website, optimizing existing Javascript codebase to streamline performance for hotel listings and room details.
- Achieved a 5x boost in website speeds by migrating codebase to NextJS, leveraging server-side rendering to drastically improve initial page loading, interactivity and overall user experience.
- Developed a scalable design system using Tailwind, ensuring consistency and responsiveness across various devices for a 25% reduction in design inconsistencies, along with SEO best practices.

Projects

Front End Software Developer | Sip & Play Refreshed | [GitHub Repo](#) | [Link to Codédex](#) | [Demo](#)

Jul 2024

Second place winner for the Codédex Summer Hackathon with focus on 3D models, approachable UI/UX and responsiveness.

Back End Software Engineer | Gaviali | [GitHub Repo](#)

Jan 2023

A scalable back end with routes and database capable of managing 1000+ active users.

- Initialized a PostgreSQL database with Express routes on Amazon EC2 instances to handle millions of rows of data and handle a rate of 1000 API requests per second and more.
- Reduced response times from 6s to <200ms with optimized queries and clustering
- Deployed a Nginx load balancer with caching across Express servers for efficient PostgreSQL queries.

Front End Software Developer | Perfect Dark | [GitHub Repo](#)

Dec 2022

A front end application for navigating a professional shopping inventory with focus on user experience and web development.

- Designed a dynamic product catalog using JavaScript and HTML, featuring an interactive image gallery for each product and style to enhance the customer's browsing experience.
- Developed a custom 2.5x magnifying tool with React and server-side CSS techniques to provide the user a detailed product view, increasing user engagements and conversions.
- Collaborated in a team of four developers using Git and Trello to ensure efficient workflow.