

# Peter Chin

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## Summary

Software engineer passionate about building user-centric, scalable applications using modern technologies, with a strong focus on creativity, problem-solving, and continuous growth.

## Skills

**Product Design:** Systems thinking, Problem solving, Responsive design, 3D modeling

**Languages:** GPT prompt engineering, HTML, CSS, JavaScript, Python, Java, SQL

**Tools:** Bootstrap, SASS, jQuery, React, Redux, Next.js, Three.js, EmailJS, MongoDB, Express, Node.js, Axios, Postman, DaisyUI, Redis, Tailwind CSS, Toast, Vite, Zustand, ChatGPT

## Experience

### Creating Coding Careers / Software Engineering Apprenticeship

June – November '24, Remote

- Mastered advanced JavaScript concepts, including asynchronous programming, closures, higher-order functions, and ES6+ features, enabling me to tackle complex challenges with ease and write more efficient, scalable code.
- Collaborated within a high-performing, diverse team of 8-10 developers, engaging in code reviews, pair programming, and sprint planning. Delivered high-quality solutions under tight deadlines in a fast-paced, professional environment.
- Leveraged advanced JavaScript techniques to not only solve intricate coding problems but also optimize performance and contribute to building scalable, cutting-edge applications that can adapt and grow with evolving user needs.

## Projects

### E-Commerce Store / Full-Stack web application of a store

[Live Site](#) – [Github](#)

- Developed an e-commerce application enabling dynamic product management, secure user authentication, and seamless payment integration using modern technologies including React, Node.js, Express, and MongoDB.
- Improved application load times by 60% through advanced performance optimizations, including lazy loading, efficient caching strategies, and reducing bundle sizes by 30%.
- Automated deployment pipelines on cloud platforms (Render, AWS) for zero-downtime deployments, achieving a 99.9% uptime SLA and improving deployment efficiency by 50%.

### Netflix Clone / Full-Stack clone of Netflix

[Live Site](#) | [Github](#)

- Developed and deployed a dynamic web application by integrating both frontend and backend technologies. Utilized MongoDB for optimized data storage, while leveraging React for a responsive user interface and Express to build a RESTful API for seamless functionality.
- Incorporated immersive video playback, secure user authentication, and post management, empowering 5000+ active users to interact seamlessly with the application. I further enhanced the user experience with DaisyUI and React Hot Toast for smooth notifications and UI responsiveness.
- Utilized Cloudinary for seamless image and video storage, Axios for API requests, and Zustand for global state management. I also used Postman for efficient API testing and debugging, delivering a highly interactive and scalable web application.

### freeCodeCamp / Frontend Projects

[Quote Generator](#) | [Markdown](#) | [Drum Machine](#) | [Calculator](#) | [25 5 Clock](#)

- Built responsive, mobile-first interfaces using modern JavaScript frameworks and tools, ensuring cross-browser compatibility and optimal performance.
- Gained hands-on experience with React, Redux, Bootstrap, jQuery, and other essential libraries to build dynamic, user-friendly web applications.
- Applied advanced state management techniques using Redux and React's context API, enabling efficient data flow and component interactions within complex web applications.

## Education

Georgia Institute of Technology, Atlanta / B.S. Computer Science

August '11 – May '15

