

Jonathan Cho

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SUMMARY

Detail-oriented Software Engineer with a BA in Computer Science & Systems from the University of Washington Tacoma, specializing in front-end and back-end development. Proficient in TypeScript, JavaScript, React, Next.js, and database management (MySQL, MongoDB). Delivering high-performance web applications, such as a social media platform, a real-time chat application, and a multi-vendor e-commerce platform. Strong analytical skills, combined with a commitment to user experience and security.

EXPERIENCE/PROJECTS

Social Media Platform - [View Project](#)

(React, TypeScript, Next.js, Tailwind CSS, Prisma, MongoDB, NextAuth) - [Github](#)

Nov. 2023 - Present

HEARTS

- Developed Twitter-inspired social media platform, applying Agile methodologies to enhance user-centric design.
- Implemented React and Next.js in the frontend, crafting dynamic, interactive UIs with server-side rendering, reducing page load times by 20%.
- Integrated Prisma with MongoDB to manage database operations, ensuring robust and secure data handling.
- Incorporated NextAuth for secure authentication and session management, enhancing the platform's security.

Real-Time Chat App - [View Project](#)

(Next.js, React, TypeScript, Socket.io, Prisma, Tailwind, MySQL) - [Github](#)

Jan 2024 - Present

EchoTalk

- Developed a comprehensive full-stack chat application leveraging Next.js and React for the frontend, enabling dynamic, interactive user interfaces with optimized performance, setting the groundwork for community building.
- Enabled real-time messaging between users, supporting one-on-one text and video conversations as well as the creation of text, audio, and video call channels.
- Utilized Prisma alongside a MySQL database for robust backend data handling, ensuring scalability and security.
- Crafted a user-friendly, intuitive interface ensuring full responsiveness across various devices and screen sizes.
- Implemented advanced features including real-time message editing and deletion, infinite scrolling for efficient message retrieval, and comprehensive server and user management capabilities.

Full Stack E-Commerce Platform - [View Project](#)

Dec. 2023 - Present

(React, TypeScript, Next.js, MySQL, Stripe) - [Github](#)

- Developed a multi-vendor e-commerce platform enabling seamless operation and management of diverse online stores, including secure authentication and Stripe for payment processing, emphasizing security and efficiency.
- Implemented robust admin dashboard for CMS, product, category, and order management with automated API route generation, streamlining administrative workflows and enhancing operational efficiency.
- Enhanced platform user experience with customizable filters, dynamic search, and pagination, alongside featured product highlights, significantly boosting user interaction and platform usability.

EDUCATION

University of Washington Tacoma | Bachelor of Arts in Computer Science & Systems.

Tacoma, WA

Graduation: Summer 2023

- GPA: 3.67
 - Relevant courses: Data Structures, Design & Analysis of Algorithms, Programming Language Concepts, Operating Systems, Computer Networks, and Database Systems Design.

TECHNICAL SKILLS

TypeScript | JavaScript | HTML/CSS | Java | C | React | Next.js | MySQL | MongoDB | Git | NextAuth | Stripe | TailwindCSS