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Justin Sohn

Skills

Programming Languages & Databases: JavaScript, TypeScript, C/C++, Python, CSS, HTML, MySQL, PHP, PostgreSQL, Swift, MongoDB, MaterialUI, Supabase
Framework & Libraries: React.js, Next.js, Node.js, JQuery, SwiftUI, Bootstrap, Tailwind, Styled-Components
Technical Skills: Agile Methodology, Software Testing and Documentation, Deployment and Cloud Services, Amazon Web Services x S3 (AWS), Vercel, Git, Excel, Google Docs, Word, NPM, Troubleshooting and Debugging, Vercel, JSON Web Token (JWT)
Language: English (US), Korean

Education

California State University, Fullerton   **Graduation: May 2024**
Bachelor of Science, Computer Science

Projects

Jsohn.app 2023 Personal Portfolio (QR CODE) (TypeScript | React | Tailwind CSS | Vercel)   **Nov 2023**
- Leveraged React.js to build reusable and interactive components such as react hooks and react-router to manage states and effects while facilitating routing and navigation within the website.
- Enhanced consumer retention duration from 1 to 3 minutes by strategically implementing distinctive animations and visuals
- Evaluated peer feedback to restructure the homepage metadata and meticulously debugged and optimized code, resulting in a 10% enhancement in visual clarity.
- Conducted testing and used the cloud service platform Vercel to host the website, ensuring the portfolio was consistently updated with the latest version.

Full Stack Spotify Clone (TypeScript | Next.js |Tailwind CSS | Supabase |PostgreSQL | Stripe)   **Sept - Nov 2023**
- Leveraged Next.js 13.4 to increase performance compared to React.js by shortening client-side loading time from 6.5 seconds to 0.8 seconds while developing a dynamic user interface integrating popular features and functionalities within the music streaming application Spotify.
- Increased project scalability by utilizing Supabase to handle backend features by designing database schemas and performing authentication to ensure secure user registration and login process.
- Deployed a premium subscription using Stripe, resulting in a streamlined and user-friendly payment experience that contributed to a 100% increase in profitability during the Q1 to Q3 development phase.

KeyBored E-Commerce Web App (TypeScript | Next.js | React | Tailwind CSS | Vercel)   **Oct - Nov 2023**
- Operates on the latest React framework, Next.js 14.0, which enhances performance testing by decreasing local start-up time from previous versions by 53%.
- Optimized the real-time local compile process, reducing the duration from 800 milliseconds to 500 milliseconds. This improvement was achieved by simplifying the e-commerce web design and maintaining scalability considerations as the project scope expanded.

Mumble Instant Messenger (JavaScript | NodeJS | Express | MongoDB| EJS | JSON Web Token)   **Feb - Mar 2024**
- Led a team of four developers orchestrating meetings to deliberate on product implementation. Organized the web design structure and categorized tasks by complexity, substantially improving teamwork and improving the visual clarity of the product from 30% to 80%
- Designed database schemas for users and channels to store user information while using JSON Web Token to encrypt user payload.
- Established end-to-end connections with users to provide real-time messaging among multiple users.

Leadership / Extracurricular

Association for Computer Machinery (ACM)   **Aug 2022 - Present**
- Collaborated with more than 20+ students in creating projects to understand the fundamentals of software engineering.
- Tutored students by breaking down complex algorithms into simple and understandable language.
- Actively attended weekly meetings, collaborating with other students to practice leetcode questions.

Relevant Coursework

- Object-Oriented Programming, Software Engineering, File Structure and Database, Software Development with Open Source, Data Structures and Algorithms, Artificial Intelligence, Web Frontend Engineering, Web Backend Engineering