Chew Han Xiang

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Software Engineer with 2 years of experience, specialising in full-stack development using ReactJS, TypeScript, Node.js, Next.js. I thrive in agile environments and enjoy collaborating with product owners to deliver innovative solutions. Seeking to leverage my skills and curiosity, with the goal of becoming a senior software engineer.

Professional Experience

Software Engineer @ Fei Siong Group   Aug 2022 - Jul 2023

- Led and mentored a team of 3 developers in technical and product discussions, fostering collaboration and knowledge sharing.
- Developed POS admin dashboard, enhancing user experience and streamlining operations.
- Implemented a secure auth server to provide seamless authentication and stateless authorization for microservices, improving overall system security and scalability.
- Introduced TypeScript for enhanced type safety and 'zod' for type-safe schema validation, reducing runtime errors and improving developers' efficiency.
- Introduced 'react-query' for efficient server state management, reducing frontend state management errors.
- Managed Git flow and implemented database migration strategy, significantly improving development workflow and system integrity.

Junior Frontend Developer @ Lyte Ventures   Oct 2021 - Jul 2022

- Introduced and implemented React Hooks patterns, optimizing global state management for server-side data fetching and improving code modularity and reusability.
- Demonstrated expertise in quality assurance by writing comprehensive end-to-end (e2e) tests with Cypress, ensuring robustness and reliability of the application.
- Set up basic APIs and services on Microsoft .NET, to support frontend applications.
- Actively contributed to the development of key product features, including invoice tools, table and summary pages, and balance withdrawal functionality, enhancing the overall value of the product.

Arts Project Manager @ Siong Leng Musical Association   Jan 2019 - Sep 2021

- Managed productions for both local and overseas events, including high-profile fundraising gala banquets, raising six-figures donations for yearly operations.

Education

- Bachelor of Accountancy, Jan 2019, Singapore Management University
- Diploma in Accounting & Finance, Apr 2021, Temasek Polytechnic

Technologies & Skills

- Languages: JavaScript / TypeScript
- Frontend: HTML / CSS / TailwindCSS / Styled-Components / ReactJS / NextJS
- Backend: NodeJS / ExpressJS / MongoDB / MySQL / Postgres / Auth0
- Cloud: Azure AD / Google Cloud / AWS
- Blockchain: Solidity

Projects

- POS Admin Dashboard & API Microservices - APIs and React app for POS administration
- LytePay For Freelancers - Income management software for freelancers and self-employed
- React-Bootstrap-Button - NPM package for implementing a loading and stateful ui button
- NotionBooks - CLI tool to save book metadata to Notion