KELVIN CHUA

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EDUCATION

National University of Singapore	Singapore
Bachelor of Computing in Computer Science, First Class Honors	*2021 - Present*

EXPERIENCE

Software Engineer	May 2023 – Present
WaveScan	*Singapore*

- Developed a client-facing responsive web application in React for management of projects, workspaces and viewing of PDF files
- Refactored large code base, reducing lines of code by 40% while preserving performance and functionality through the creation of reusable and composable components, increasing maintainability of the code base
- Played a key role in translating the design system into actionable code, eliminating 50+ instances of duplicate components with inconsistent designs and behavior, leading to improved user experience and reduced development time
- Authored comprehensive documentation for the application, providing clear instructions and guidelines for users
- Developed a developer-friendly knowledge base, documenting key features and functionalities, decreasing on-boarding time for new team members by 20%

Software Engineer	May 2022 - July 2022
Government Technology Agency	*Singapore*

- Built a responsive end-to-end services that aggregated food donations from over 10 food support organizations using React, ChakraUI, Redux, NodeJS, DynamoDB and AWS Lambda, displayed in a responsive site with filtration and sorting capabilities
- Worked closely with UI/UX engineers to improve the design system and implement it in code
- Utilized JSON Web Tokens (JWT) to manage authentication and authorisation of thousands of users
- Wrote test cases with near 100% coverage with Jest

Software Engineer	May 2019 - July 2019
Klass Engineering and Solutions	*Singapore*
Software Engineer	Sep 2018 - Feb 2019
NCS Group	*Singapore*

PROJECTS

PersonalFileTransfer | Vue, TailwindCSS, NodeJS, ExpressJS, MongoDB

- File upload web app with password protected files and auto-deletion of expired files
- Optional password protection

VideoSync | Vue, TailwindCSS, NodeJS

- Synchronizes youtube video playback across clients using WebSockets

TECHNICAL SKILLS

Languages: Typescript, Golang, SQL, Python, Java, CSS/HTML, Latex
Frameworks: React, Vue, Node.js, FastAPI, ChakraUI, TailwindCSS

COMPETITIONS

- AWS Cloud Hackathon, Gold Medal
- WorldSkills ASEAN 2018, Web Design and Development, Medallion of Excellence
- WorldSkills Singapore 2018, Web Design and Development, Silver Medal