Ng Chin Chia

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EXPERIENCE/ WORK EXPERIENCE

STARSTRUCK, SINGAPORE *Dec 2023 – Current*
Frontend Developer Intern

- Leveraged AWS infrastructure and CI/CD pipelines to develop a B2B SaaS product for a start-up business, targeting data comparison and optimization for marketplace listings.
- Addressed and resolved challenges related to state conflicts, created a modular and reusable state architecture that significantly improved code maintainability using Zustand.
- Translated intricate UI/UX designs accurately into fully functional and responsive web interfaces from layouts, reusable UI components to API integrations using Next JS & Tailwind.
- Integrated multiple open-source libraries based on project requirements, including but not limited to utilizing Tremor for data graphs and charts visualization and Zustand for state management solution.

SG HIRED, SINGAPORE *Nov 2023 – Dec 2023*
Software Engineer

- Implemented state management using Redux in an ongoing security job finding mobile application for a startup
- Developed and optimized reusable UI components for forthcoming features using React Native.

ST ENGINEERING, SINGAPORE *Jun 2017 – Aug 2017*
Maintenance System Intern

- Conducted user research and usability testing, designed wireframes driven from research data for the company's platform using Adobe XD, resulting in an increase in user satisfaction and a development reduction process by 15%.

ST ENGINEERING, SINGAPORE *Mar 2017 – May 2017*
Transport System Intern

- Utilized Maximo to manage, track, and report train-borne alarm data metrics, resulting in improved alarm response times and higher levels of system reliability by 10%.
- Implemented debugging procedures to rectify alarm errors, contributing to a 25% decrease in alarm-related disruptions.

RELEVANT PROJECT

BREW BUBBLE (MOBILE) *Jun 2023 – Aug 2023*

- Designed and delivered user interfaces of beer mobile applications using Figma.
- Spearheaded translation of design concepts on the frontend using React Native.
- Designed and developed backend applications using Express.js, MongoDB, MVC architectural pattern and RESTful APIs.
- Implemented encryption techniques such as bcrypt and SHA-256 within the login authentication process using JWT.
- Conducted endpoint testing using Postman to validate API functionality, ensuring data integrity.
- Deployed mobile application on the Google Play Store using Google Cloud infrastructure.

EDUCATION

BACHELOR DEGREE IN COMPUTER SCIENCE (CYBERSECURITY) *Aug 2020 – Sep 2023*
University of Wollongong

DIPLOMA IN ELECTRICAL ENGINEERING (POWER) *Aug 2014 – Aug 2018*
Ngee Ann Polytechnic

SKILLS & ABILITIES

Programming Languages: Typescript, JavaScript, Java, C++, Python, PHP

Web Development: HTML, CSS, NextJS, React, Express.js, Node.js, Tailwind, Figma, Postman, Git, MySQL, MongoDB, Adobe XD

Operating Systems: Windows, Kali & Ubuntu on Linux

Open Source Libraries: Tremor, Framer, Zustand, Redux, Sonner, TailwindUI

Soft Skills: Excellent team player, Great communicator, Problem solver, Growth mindset, Adaptable & Creative Thinker