

Experienced Full-Stack Web Developer with a year of expertise in web development seeking challenging roles to expand my horizon. Proven ability to tackle complex engineering challenges and deliver innovative solutions while collaborating within cross-functional teams. Eager to contribute technical skills and expertise to software engineering projects in a fast-paced, dynamic environment covering multiple domains.

Work Experience

Shopee Singapore - Marketplace Intelligence Engineer

May 2022 - December 2022

- **Collaborated with multiple teams to enhance deployment monitoring capabilities** by creating a Grafana board specifically tailored for canary deployments, which provided real-time insights and visualizations to facilitate quick and informed decision-making during deployment.
- Contributed significantly to **improve A/B testing workflows** with comprehensive dashboard visualizations to accelerate business decisions
- Enhanced codebase by applying **clean architecture principles**, ensuring system maintainability, robustness and performance.
- Acquired expertise in scaling applications for millions of users, utilizing **concurrency and multithreading** in Golang.

Industrial Electronics Pte. Ltd. - Software Developer

December 2019 - July 2020

- Engineered and implemented innovative features for a **ReactJS and GraphQL** e-commerce application, optimizing warehouse stock tracking and trading functionalities.
- Pioneered a streamlined workflow for content writers by developing a **user-friendly drag-and-drop template builder** in ReactJS.
- Delivered an exceptional user experience through the implementation of a **results-driven UI** using Material Design, consistently achieving project milestones ahead of schedule.
- Demonstrated **proactive initiative** by identifying and addressing potential bugs early in the development process, consistently engaging in code refactoring to mitigate technical debt.

Personal Projects

NextJS E-Commerce Site [\[Code\]](#)

- Developed a **robust e-commerce platform** using ReactJS, NextJS, Directus CMS, PostgreSQL, TailwindCSS, Stripe and Snipcart, combining cutting-edge technologies for a seamless and modern user experience. Complete with essential functionalities such as add to cart, secure checkout, and payment processing, ensuring a seamless and secure shopping experience for users.
- Implemented a **fully-featured content management system** using Directus CMS and PostgreSQL, empowering clients to effortlessly manage product-related operations such as addition, deletion, and updates. Enabled features like product highlighting and sales promotion for enhanced control.
- Developed an advanced, **feature-rich product listing page**, equipped with dynamic filtering, pagination, and sorting capabilities, facilitating efficient navigation and exploration for users.

NextJS Notes and Blog Website [\[Code\]](#), [\[Demo\]](#)

- Implemented a **dynamic file-based content system** using NextJS and Markdown, allowing seamless creation and management of blogs and notes through file-based structures.
- Designed an **intuitive and user-friendly interface** with TailwindCSS to enhance the overall user experience, ensuring easy navigation and accessibility. Implemented modern and visually appealing designs that align with contemporary web standards, including responsive designs to provide consistent and optimal viewing experiences for users.
- Engineered a **fully automated CI/CD workflow** integrating Github Actions, Husky and Vercel to facilitate smooth deployment when changes are made

Skills

Frontend

- HTML/HTML5
- CSS3, SCSS,
- Bootstrap, TailwindCSS, Material Design
- Javascript, JQuery, Typescript, NodeJS
- ReactJS, NextJS
- Vue

Backend

- HTTP/RESTful APIs
- GraphQL
- SQL, MySQL, PostgreSQL
- MongoDB
- Nginx

Miscellaneous

- Machine Learning (Pytorch, Keras, Tensorflow)
- Google Cloud Platform (GCP), DigitalOcean
- Babel, Webpack, Vite
- Python, Go, C#, Java
- Version Control (Git/SVN)
- Docker
- Automated Testing (Jest)
- Prototyping (Figma, Photoshop)
- Agile/SCRUM workflows
- Test-Driven Development (TDD)

Education

Nanyang Technological University

July 2020 - July 2024
Bachelor of Computer Science (GPA 4.67/5).

Anderson Junior College

January 2016 - December 2017
Studied H2 Physics, Math, Chemistry and H1 Economics with an additional H3 Math. Scored 90/90 rank points in GCSE A Levels.

Kuo Chuan Presbyterian Secondary School

January 2012 - December 2015
Vice-president of the Robotics Team, responsible for holding training sessions for team members and cultivating their passion towards Robotics and participating in various competitions