

# Hsu Zhong Jun

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A full stack software engineer with 5+ years of experience building scalable web applications. I excel in innovation and problem-solving to drive business success, and my expertise covers the entire software development lifecycle, ensuring projects transition smoothly from concept to deployment in order to achieve positive end-user impact.

## EDUCATION

### National University of Singapore (NUS)

Aug 2018 – May 2023

Bachelor of Computing (Computer Science) with Honours (Distinction)

Bachelor of Business Administration (Supply Chain Management) with Honours (Highest Distinction)

## EXPERIENCE

### Software Engineer

Singapore

Open Government Products (OGP), Government Technology Agency (GovTech)

Jul 2023 – Present

- Spearheaded the design and implementation of a DNS indirection layer, enhancing 560+ Isomer websites with DNSSEC and boosting the CSA IHP report card score from 79% to 95%. This innovation ensures swift hosting transitions without agency coordination, expediting service recovery and enhancing operational resilience.
- Enhanced engineering efficiency by implementing Percy for early visual regression detection, achieving significant man-hours savings through reduced manual workload and optimising the weekly release workflows. This improvement led to faster and safer release of Isomer template changes.

### Software Engineer Intern

Singapore

Open Government Products (OGP), Government Technology Agency (GovTech)

Aug 2022 – Dec 2022

- Streamlined the process of launching new government websites and attaining time savings of almost 50%, by enacting a new management workflow for over 300 users on the Isomer content management system (CMS).
- Conceptualised a seamless and secure method for agencies to embed Instagram posts on Isomer websites.
- Implemented a novel solution to boost developer productivity by over 20%, by leveraging GitHub Actions to execute the long-running end-to-end tests, freeing up developer resources to work on more productive tasks.

### Software Engineer Intern

Singapore

Visa Inc.

May 2022 – Aug 2022

- Strengthened the Global Promotions and Offers solution against potential fraud by integrating the signup process with Visa internal tools to detect campaign participation by sanctioned individuals and organisations.
- Optimised promotion management workflows that power over 100 campaigns for Visa cardholders globally.

### Frontend (Web) Developer Intern

Singapore

SurerSG

May 2021 – Aug 2021

- Consolidated the deal-closing process and enabling over 100 insurance intermediaries and insurers to manage clients more efficiently, by establishing a new and simplified frontend interface for the Surer product platform.

## PROJECTS

### reposense/RepoSense

- Lead engineer and maintainer for RepoSense, a tool to analyse Git contributions and visualise the findings on a web-based dashboard for over 300 software engineering students per semester, written in Java and Vue.js.

### balchivist/web | balchivist/api

- Pioneered Balchivist, an automated job queue manager and scheduling system for archiving over 10 TB of data every month with a public-facing API. Funded by the Wikimedia Foundation, developed using Django and Nuxt.

## SKILLS

- **Programming Languages:** CSS, HTML, Java, JavaScript, Python, SQL, TypeScript
- **Technologies:** Angular, Bootstrap, Django, Git, Jest, JUnit, Linux, Node.js, Nuxt, React, Spring Framework, Vue.js
- **Others:** Agile, Adaptable, Collaborative, Communication, Creative, Initiative, Innovative, Leadership, Teamwork