

Brendan Chia

Year 4 Information Systems major with interest in software engineering and fintech.

Contact

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Education

National University of Singapore

Aug 2020 – May 2024

BSc in Computing, Information Systems

Professional Experience

Summer Analyst (Software Engineer)

Goldman Sachs — Asset Wealth Management

June 2023 – Aug 2023

- Architected multiple data pipelines utilising Java Spring libraries, such as Spring Data Mongo and Elasticsearch, to migrate and sync over 100,000 sets of data from production database to business user interface daily.

Full Stack Mobile Engineer Intern

Government Technology Agency — LifeSG

May 2022 – Jan 2023

- Developed a feature on a mobile app with a React Native and Next.js frontend and Node.js backend. This feature allows users to submit improvements to any Singapore government agencies through a single entry point.
- Designed and implemented unit and integration tests for multiple endpoints using Jest testing framework.
- Leveraged on Agile methodologies to fulfill project requirements.

Front-end Software Engineer Intern

Accredify May 2021 – Aug 2021

- Single handedly developed the UI with HTML, CSS and JavaScript for an email template builder and a course program builder to allow clients to freely customise certificate emails and course progressions intuitively from scratch.

Teaching Assistant *Aug 2021 – May 2022*

National University of Singapore

- Taught a group of 25 students on Object-Oriented Programming and Functional Programming in Java over two semesters.
- Guided them through weekly technical assignments with emphasis on good coding practices to develop medium scale Java programs.
- Sparked a passion for mentoring other engineers by developing them to create a wider impact on society and expanding their understanding in programming.

Languages

Java; MySQL; JavaScript; TypeScript; HTML5; CSS; Python;

Technologies

Angular; Atlassian Suite; Docker; Elasticsearch; React; Material UI; Mockito; MongoDB; Jakarta EE; Java Spring Boot; JSF; JUnit 5; Git; PostgreSQL; Postman; Swagger.io

Side Projects

[brendancjz/tompang](https://brendancjz.com/tompang)

Led a team of four software engineers to develop Tompong, an Ionic mobile application with an administrative JakartaEE web application, both leveraging on Glassfish. Tompong is a mobile application acting as a marketplace for Singaporean travelers.

[NUS-Fintech-Society/BC_generativeNFT](https://nus-fintech-society.github.io/generativeNFT)

Lead engineer for NUS Fintech Society generative NFT project, a website exclusively for society members to view and mint NFTs created by society members. Developed with React, Solidity and Web3.js on Rinkeby TestNet.

[brendancjz/boluiobot](https://brendancjz.com/boluiobot)

Telegram bot that tracks spendings and earnings in an intuitive and interactive way. Deployed with Java and Telegram API on Heroku server using Heroku PostgreSQL as its secure database.

[brendancjz/bestbuds-bot](https://brendancjz.com/bestbuds-bot)

Telegram bot that automates and collates birthday messages for upcoming birthdays in a friend group. Deployed with Java and Telegram API on Heroku server using Heroku PostgreSQL as its secure database.