

# Brendan Chia

Year 4 Information Systems major with keen interest in software engineering.

## 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 (ES), to migrate and sync over 100,000 sets of data from production database to an ES cache employed by 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.

## Programming Languages

- Proficient in: Java; JavaScript; TypeScript; HTML5; CSS;
- Strong Understanding in: Python; MySQL;

## Technologies & Frameworks

- Proficient in: Angular; Git; Java Spring Boot; NextJS; Postman; ReactJS; React Native;
- Familiar with: Docker; Elasticsearch; Figma; Jakarta EE; JSF; JUnit 5; Material UI; Mockito; MongoDB; PostgreSQL; Swagger.io;

## Notable Past Achievements/ Projects

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

- Spearheaded a team of four skilled software engineers in the development of Tompong, an innovative Ionic mobile application coupled with an administrative JakartaEE web application, both powered by Glassfish.
- Tompong serves as a cutting-edge mobile marketplace tailored to the needs of Singaporean travelers.

[NUS-Fintech-Society/BC\\_generativeNFT](#)

- Led the engineering efforts for the NUS Fintech Society's generative NFT project, an exclusive platform for society members to discover and mint NFTs created by fellow members.
- Leveraged on React, Solidity, and Web3.js on the Rinkeby TestNet to craft this dynamic digital space.

[brendancjz/bestbuds-bot](#)

- Orchestrated the creation of BestBuds Bot, a Telegram bot that automates and consolidates birthday messages for upcoming birthdays within a friend group.
- Developed using Java and the Telegram API, deployed on a Heroku server with secure data management through Heroku PostgreSQL.