

TAN Hao Jie

HP: +65 96772937 | Email: haojie9777@gmail.com | GitHub: <https://github.com/haojie9777>

Personal Website: <https://haojie-portfolio.vercel.app/>

Skills

- Java | Python | Spring Boot | MySQL | Redis | Git | HTML | CSS | Javascript | Express | React | Node |
- Tailwind | Next.JS | Junit | Mockito | IntelliJ | Maven | Kubernetes | RocketMQ | ShardingSphere |
- YApi | Apollo | MyBatis | Confluence | Distributed Systems | English, Mandarin (Both Native)

Work Experience

Backend Software Engineer	<u>SeaMoney Pte Ltd, Singapore</u>	06/2022 - Current
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- Involved in development of various microservice applications for a digital bank using a **Java 8, Spring Boot** and **MySQL** stack.
- Designed and implemented scalable, fault tolerant and idempotent Restful APIs that serves millions of requests powering the backend of the bank.
- Led the design and development of loan related features E2E, from loan repayment, monthly statements to daily reconciliation needs, after gathering requirements from PMs and adhering to an Agile Sprint schedule.
- Demonstrated code quality excellence by improving code coverage of existing codebase from 33% to 95% by writing unit tests in Mockito and fixing of bugs from UAT.

Software Engineer, Intern	<u>GovTech, Singapore</u>	01/2021 – 07/2021
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- Designed and developed a backend application for several IoT devices using JavaScript, RabbitMQ message brokers for messaging, and hapi.js for API endpoints. FFmpeg was also used to process and deliver livestreaming video feeds as per business requirements.
- Created a dashboard to monitor status of IoT devices using React and Material-UI framework.

Software Engineer, Intern	<u>Wright Management International, Singapore</u>	05/2020-08/2020
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- Tasked with designing and developing new functionalities of a web application for company's clients using Ruby on Rails framework, HTML, CSS, and Javascript.
- Implemented web dashboard using Bootstrap 4 and Echarts to assist clients to visualize critical project management processes and workflow data aggregation.

Education

Bachelor of Engineering	<u>Nanyang Technological University, Singapore</u>	08/2018 – 05/2022
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- Major in **Computer Science**, elective focus in Data Science & Analytics and Cyber Security
- Honours (Highest Distinction), CGPA: 4.61/5.00
- Deans' List 2021/2022

Projects

Final year Project: guitAR	<u>Nanyang Technological University, Singapore</u>	08/2021 – 05/2022
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- Prototyped a marker-less augmented reality application for guitar learning using computer vision algorithms, Python and OpenCV.
- Achieved a distinction grade and was featured in the school's showcase for final year projects.

Oliver	<u>Side Project</u>	01/2023
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- Leveraged on OpenAI's API and Python Telegram API to create a telegram bot that accepts prompts from users and outputs results from a text completion engine.

Personal Website	<u>Side Project</u>	12/2023
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- Leveraged on React, Tailwind CSS and Next.JS to build a simple personal website, which is hosted on Vercel

Others

Peer Tutor: Tutored students on Computer Organisation & Architecture	08/2019 – 02/2020
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