TAN JUN BIN

Mobile: (65) 9800 1858 • junbin.tan@u.nus.edu • [Github](#) • [Tan Jun Bin Portfolio](#)

EDUCATION

National University Of Singapore (NUS)   Singapore
Bachelor of Computing in Information Systems   12/2024
- **GPA:** 4.22 / 5.0
- **Relevant Courseworks:** Data Structures And Algorithms, Object-oriented programming (OOP), Business Analytics, Data Management and Visualisation, Enterprise Systems Architecture and Design, Enterprise Systems Server-side Design and Development, Enterprise Systems Interface Design And Development, Data Engineering
- **Honours and Awards:** [University Engineering Scholarship](#)

Republic Polytechnic   Singapore
Diploma in Pharmaceutical Science with Merit   2018
- **GPA:** 3.98 / 4.0
- **Final Year Project:** Enhancement of Pharmaceutical Properties using Cocrystals.
- **Honours and Awards:** BASF (ENP) Gold Medal Award (Graduated first in the cohort of 90) , [A*Star Science Award](#)

TECHNICAL SKILLS

Programming language: Java, Python, R, HTML, CSS, JavaScript, SQL
Development Technologies: Spring Boot, Hibernate, Jakarta EE, Jakarta Faces (JF), React, Vue, Bootstrap
Database: MySQL, MsSQL, PostgreSQL, RDBMS , Firebase, Google BigQuery, MongoDB, NoSQL
Technical Tools: Tableau, Microsoft Excel, Google Lookers, Figma, Git Version Control, Apache Airflow

EXPERIENCE

Bitopia Technology Pte Ltd.   Singapore
Software Engineering Intern   05/2023 – 07/2023
- Developed product-ready code for the Business Continuity Management System, designed to streamline procedures during times of crisis.
- Implemented a 2FA system to enhance security measures.
- Conducted bug fixes and user testing, achieving a 98% success rate in the latest production release.
- Technologies: Spring Boot, Hibernate, Vue, React, Bootstrap, MsSQL (RDBMS)

Land Transport Authority (LTA) Singapore   Singapore
Ticketing Strategy & Projects Intern   05/2022 – 07/2022
- Collaborated with management and stakeholders to prepare launch materials for the SimplyGo Concession Card.
- Coordinated and managed the distribution of launch information to over 200 educational institutions.
- Performed in-depth market research and initiated promotional trials with retail partners to amplify the launch impact.

PROJECTS

StudyGoWhere   Singapore
Team Lead and Full Stack Software Engineer   08/2023 – Current
- Led and coordinated a team of 6. Communicated with stakeholders to design and developed a platform that automated the process for consumers to find study spaces.
- Implemented a unified solution that combined search, reservation, and payment functionalities, increasing business visibility and venue utilisation.
- Technologies: React, Flutter, Tailwind, Spring Boot, PostgreSQL (RDBMS) , Firebase (NoSQL)

AnimeAI Singapore
Full Stack Software Engineer 06/2023 – 07/2023
- Self initiated project to build an Anime Recommendation AI utilising the LangChain framework to curate anime recommendations from 2019-2021. After a thorough preliminary analysis and cleaning of data using Python.
- Technologies: LangChain LLM, Python

Animal Adoption Application Singapore
Full Stack Software Engineer 03/2023 – 06/2023
- Designed and implemented an animal adoption portal. Collaborated with stakeholders to gather requirements and feedback, ensuring the platform met the needs of both pet listers and adopters. The portal streamlined the adoption process and reduced manpower and associated costs.
- Technologies: React, Jakarta EE, MySQL (RDBMS), Firebase (NoSQL)

Library Management System Singapore
Full Stack Software Engineer 01/2023 – 03/2023
- Engineered a comprehensive library management system that empowers librarians to efficiently manage book inventory, facilitate book check-outs, and handle returns. The system was devised to reduce the time spent on inventory management, ensuring a smoother operational flow.
- Technologies: PrimeFaces, Jakarta EE, MySQL (RDBMS)

Car Rental Management System Singapore
Backend Software Engineer 08/2022 – 11/2022
- Developed a solution to streamline car rental processes across outlets. The system was programmed to enhance operational efficiency by automating booking, transferring, and scheduling functions, reducing manual interventions.
- Technologies: Jakarta EE, MySQL (RDBMS)

CLUBS AND ACTIVITIES

Google Developer Student Clubs NUS (GDSC NUS) Singapore
Head of Product 2023 – Current
- Co-led a 20-member team to develop MINDS MYG's Volunteer Management System.
- Communicated with key stakeholders, including MINDS HQ, to develop refined product requirements.
- Introduced a streamlined approach, reducing coordination time by 60% and boosting volunteer recruitment efficiency.

NUS Product Club (NUSPC) Singapore
Partnerships Executive 2023 – Current
- Orchestrated the Swire Shipping x NUSPC Fireside chat event, enhancing the club's visibility and recognition.

/FF Singapore
Co Founder and Full Stack Software Engineer 2023 – Current
- Crafted digital products tailored for small businesses.
- Leading the launch of 'Slotsy', a service booking platform, anticipated to serve over 10,000 clients.
- Technologies: React, MongoDB, MySQL, Jakarta EE, Spring Boot

MINDS MYG Terra Hope Project Singapore
Member 2018 – 2021
- Executed weekly activities for individuals with intellectual disabilities.
- Leadership Roles:
  - o Co-Chair, MINDS Family Day 2019: Organised a festival for ~300 attendees.
  - o Program Chair, MINDS Family Day 2018: Managed a festival for ~300 attendees.