TIONG SHAN KAI

Email: tiongshankai97@gmail.com   **GitHub:** https://github.com/shankaikai

Phone: +65 9382 1490   **LinkedIn:** https://www.linkedin.com/in/shan-kai-tiong/

EDUCATION

Singapore University of Technology and Design (SUTD)	**May 18 – Sep 22**

- Bachelor of Computer Science with Highest Distinction

Singapore University of Management (SMU)	**May 18 – Sep 22**

- Bachelor of Business Management with High Distinction

WORK EXPERIENCE

Software Developer II (Indeed)

Tech stack: Java, Spring Boot, GraphQL, React, TypeScript, Jenkins, Gitlab CI, DataDog   **Sep 22 – Mar 23**

- Developed features for Japan Employer team that owns job posting and management application for the Japan market.
- Built an end-to-end feature that allows employers to select account for interview bookings using **React.ts** and **Java DGS GraphQL** Framework.
- Ensure code integrity with unit and integration tests using **Jest**, **JUnit** and **TestCafe**.
- Handled on call bug investigation duties and monitor application performance and metrics using **DataDog**.
- Worked on bug fixes and feature enhancements and accessibility-related issues to improve user experience.
- Collaborated with UX designers and product managers on project discussions and deliverables using JIRA and **Figma**.

Software Engineering Intern (Indeed)   **May 21 – Aug 21**

Tech stack: Java, Spring Boot, React, TypeScript, Jenkins

- Localized Indeed's global payment platform using **Spring Boot**, **TypeScript** and **React**.
- Wrote unit and integration tests using Jest, JUnit, **Mockito** and **Cypress**.
- Setup **Jenkins** pipeline to automate merging of translation files with master branch.
- Liaised with external stakeholders for component integration.

Information Technology Intern (DHL Express)   **May 20 – Aug 20**

Tech stack: Python, R, VBA, ASP.NET, CSS

- Developed a SMS payment notification script using **Python**.
- Developed a **R** Shiny dashboard for Customer Service chat analytics.
- Created an Excel Macro using **VBA** to generate billing reports, saving the billing team 4 hours per report.
- Contributed to the production of a customer onboarding web application using **ASP.NET Razor Pages** and Bootstrap **CSS** framework.

PROJECTS

iMatrix Operations Ecosystem Capstone Project   **May 22**

- Built a dashboard and IoT system to digitalise manual operations in iMatrix.
- Main frontend developer for the dashboard web application with reporting, broadcasting, video monitoring and rostering functionalities using **React.ts, Next.js** with **Cypress** testing.
- Contributed to software architecture and MySQL database design.

Elements of Software Construction 1D Project – SingHealth Audit App (SUTD)   **Jan 21**

- Main feature developer for a full stack progressive web application, made to digitalise SingHealth audit processes.
- Developed the frontend web interface using **React.js**, **HTML**, **CSS**, and **Material UI.**
- Developed the backend using **Node.js**, **Express.js**, **MySQL** and **Azure**.

Introduction to Information System 1D Project – CheQ (SUTD)   **Dec 20**

- Worked with 4 other team members to develop an **Android** application to enable remote restaurant queuing using **Java**, **Firebase** and **Git**.
- UX Prototype was designed with using **Figma**.
- App was selected for a $3000 seed funding by Mitsubishi Corporation.

ADDITIONAL INFORMATION

- Skills: Typescript, React, MySQL, Node.js, Express.js, JUnit, Git, Spring Boot, GraphQL, DataDog, Python
- Languages: English, Chinese