

# Sherwin Tang Wei Hao

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## Full Stack Software Engineer

A Software Engineer with experience in Front-end/Back-end development, agile methodology and project management.

### KEY SKILLS

- Java
- JavaScript with React.js
- HTML / CSS
- SQL
- Project Management
- Stakeholders Management

### FDM TRAINING

#### Software Development, Training Programme Singapore

Jul 2021 – Sep 2021

- Professional Skills
- SQL
- UNIX
- OOD Java (4 weeks)
- Database Access in Java (JDBC, JPA/Hibernate)
- Web Development in Java (Servlets, JSPs)
- Spring Framework
- Group software development project

### EDUCATION

#### B.E Hons in Material Science and Engineering

National University of Singapore  
Aug 2014 – May 2018

**Subjects included:** Financial Accounting, Principles of Economics, Operation Management, Finance

**Project:** Synthesis of Polymer-Grafted Lignin Via Reversible Addition-Fragmentation Chain-Transfer Polymerization

### LANGUAGES

English (native), Mandarin (native)

### INTERESTS & ACTIVITIES

**Volunteering** – Movement for the Intellectually Disabled of Singapore (MINDS)

**Interests** – Equities, Derivatives, Cryptocurrencies, Finance News, Hiking

**Sports** – Basketball, Muay Thai

### EXPERIENCE

#### Software Engineer (Tech Lead)

OCBC Bank

Oct 2021 – Current

- Manage and enhance trade finance products through 10 different Micro-frontend and Micro-services with trade squad utilizing the Agile development methodology. Part of trade squad that covers trade finance products such as Invoice Financing, Bank Guarantee, Letter of Credit, Banker Acceptance, standby letter of credit (SBLC). Lead a team of developers from Singapore and China to manage squad development works and ad hoc assignments using jira.
- Collaborate with product owners, business analysts and technical architects to understand new business requirements and groom enhancement projects. Provide technical feedback on feasibility and estimated timeline on the proposed enhancements. Past enhancements include new web page design for customers to resubmit supporting documents, improved workflow process to notify customer on transaction status, update online application form for eGuarantee@Gov to meet regulatory requirements, regionalization of trade finance products to APAC countries, design and integrate REST APIs to UI to support trade finance product functionalities.
- Collaborate with vendors, IT security department, DevOps and various IT departments on the execution of various projects include Support the decommissioning of monolith framework to micro-services and the successful migration of the codes from external vendor to internal trade finance team, kafka broker upgrade, data migration, disaster recovery system exercises.
- Ensure quality of code releases and bug fixes through code reviews, using Jenkins deployment through CI/CD tools such as sonarqube and Blackduck, improve jest and junit tests coverage for micro-frontend and micro-services to consistently meet code coverage requirements, prepare documentation of code release prior to production deployment.
- Ensure production deployments and flyway scripts are successful by verifying Kubernetes pods, logs, and database. Successfully resolved over 1000 legacy system issues/bugs raised by product owner and customers.
- Configured and maintained automatic batch run jobs using Control-m to process daily transactions. Ensure that daily portfolio limits and transactions are up to date by check batch jobs error logs.

#### Senior Executive – Strategic Planning

SMRT Trains Ltd

Jul 2018 – Jul 2021

- Spearheaded the development and UAT of Kaizen engagement portal to collect employees' initiatives to improve company's processes through liaising with various business units.
- Developed PowerBI dashboard for senior management to monitor feedbacks collected through the portal. The number of new initiatives raised by employees increased by 120%.
- Directed the development and UAT of several digitalisation projects of maintenance approval forms through discussions with maintenance teams to understand the project requirements and workflows.
- Successfully improved the efficiency of maintenance approval process from 6 days to 1 day and reduced the reliance of hardcopy forms through the adoption of electronic forms.
- Ensured the accuracy and integrity of KPI data in reports for submission to higher authorities.
- Developed dashboard using PowerBI to illustrate the KPIs status for higher management review.