

EDUCATION

- **Singapore Institute of Technology** Singapore
BEng (Hons) Information and Communications Technology (Software Eng); GPA: 4.27 *Aug. 2020 – Jan. 2024*
- **Singapore Polytechnic** Singapore
Diploma In Infocomm Security Management *Apr. 2017 – Apr. 2020*

EXPERIENCE

- **A-Star: Advanced Remanufacturing and Technology Center (ARTC)** Singapore
Backend Programmer *Feb 2025 - Present*
 - **ASP .NET**: Designed core backend **microservice** for data processing and transformation.
 - **Data Ingegration (ERP,MES,PLM and IoT sensors)**: Developed standardized data connector templates for seamless integration.
- **GetGo Carsharing** Singapore
Junior Developer *Jan 2024 - Feb 2025*
Junior Developer (Intern)Jan 2023 - Dec 2023
 - **ASP .NET**: Developed the backend system for a Fleet Management System using ASP.NET and employing the **microservice** architecture, resulting in a significant 50% reduction in the time required to respond, resolve, and reactivate vehicles.
 - **SQL Database**: Used SQL to query data in a database. Used EF Core Library in .NET.
 - **Solace**: Developed Solace Producers and Consumers to allow inter-service communications.
 - **Data Dog**: Assisted the organisation in Distributed Tracing using Datadog.
 - **CI/CD (Jenkins)**: Implemented automated testing and deployment pipelines in Jenkins for GetGo 2.0.
 - **AWS**: Deployed services to AWS ECS and managed Task Definitions.
 - **Swift**: Successfully implemented enhancements in the Fleet Operator Application (iOS), leading to a notable 50% increase in the number of completed maintenance jobs.
- **Accenture** Singapore
Java Developer (Intern) *Summer 2021 and 2022*
 - **Java**: Utilized Java programming to implement bug fixes in the UAT (User Acceptance Testing) environment, resulting in a 20% decrease in the delivery timeline and enhanced project efficiency.
 - **SQL Database**: Demonstrated proficiency in data mining techniques to gather accounts for testing purposes, contributing to comprehensive and thorough test coverage.
 - **Jenkins**: Acquired familiarity with Jenkins Pipeline, enabling the continuous deployment of code and driving a remarkable 20% improvement in customer experience through faster and more efficient software releases.
- **DBS Bank** Singapore
Risk Analyst (Intern) *Apr 2019 - Aug 2019*
 - **SharePoint Automation**: Spearheaded the automation of the team's SharePoint site, specifically the TS Audit Portal, to streamline the auditing process, resulting in a notable 30% reduction in audit time. This optimization allowed the team to allocate more time and attention to critical tasks.

PROJECTS

- **Data Analytic Dashboard**: Successfully develop a Data Analytic Dashboard using the **R Shiny Framework**, facilitating insightful data analysis and visualization.
- **Hotel Concierge Web Portal**: Successfully guided the team in developing a robust **MVC (Model-View-Controller)** application using **ASP.NET (C#)**, facilitating an effective learning experience in object-oriented design, software design patterns and best practices.
- **Pentesting Tool**: Engineered and implemented automation solutions for Web Penetration Testing and Client-Side Penetration Testing, utilizing **C and Java programming languages**.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C, Kotlin, Swift, R, JavaScript, HTML/CSS, SQL

Frameworks: ASP.NET, Node.js, Next.js, React, Flask, JUnit, Tailwind

Developer Tools: Git, Docker, AWS Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Jenkins