

# Koh Ding Yuan



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## Soft Skills

- Adaptability
- Problem-Solving
- Collaboration & Teamwork
- Time Management
- Strategic Planning

## Technical Skills

### Solution Development

- Full Stack (Web & API) Development
- Android Mobile App Development
- IoT Solution Development & Design

### Programming Languages

- Assembly Language
- C#
- C
- Dart
- Java
- JavaScript
- Kotlin
- Python
- Scala
- SQL

### Frameworks & Libraries

- React.js
- Node.js
- ASP.NET (including MVC, Razor, Core)
- Django REST Framework
- Flask
- Flutter

### Databases

- MySQL
- Microsoft SQL Server

## Languages

- English
- Chinese (Mandarin)

A Computing Science graduate with Honours, equipped with a robust programming foundation. I possess diverse experience in project management, research, and process improvement, exhibiting flexibility and adaptability across various roles. Adept at supporting IT projects, conducting research analysis, and collaborating effectively with teams. Eager to leverage my technical expertise and project support acumen in IT management or consultancy, bridging business objectives and technological solutions.

## Experience

### IT Project Management Intern

ASM International, Singapore

August 2023 – April 2024

- Assisted in managing complex IT projects and supported project management administrative processes.
- **Project Panaya:** Standardized internal processes, created documentation, provided technical support, and conducted training for staff for Panaya's SAP Testing.
- **Project Variant Configurator (VC) Phase 2:** Supported System Integration Test, User Acceptance Test, and Go Live phases; facilitated onsite collaboration.
- **Project TRANS4M:** Assisted with administrative tasks and logistics.

### Research Assistant

Singapore Institute of Technology, Singapore

October 2021 – January 2023

- Conducted quantitative research analysis, oversaw coding tasks for a team, and developed a data capture system in Excel.
- **Project Blended Design and Critical Thinking:** Contributed to a large-scale SIT ALIGN funded project, performed lesson observations, and conducted literature reviews.

### Store Incharge

Republic of Singapore Air Force, Singapore

December 2019 – August 2021

- Managed unit procurement finances and oversaw building operations; acted as a liaison with contractors.
- **Budget Planning:** Assisted in annual budget planning and analyzed three years of expense data for accuracy.
- **Infrastructural Improvements:** Supervised renovation projects and enhanced tracking with improved Excel sheets; built strong vendor relationships.

### Software Development Intern

KEYfields Pte Ltd, Singapore

April 2018 – August 2018

- Conducted research and development activities using C#, ASP.NET, and MS SQL.
- **Route Optimization Algorithm:** Developed an algorithm for the Travelling Salesman problem using Google Maps API for live data.
- **National Trade Platform (NTP):** Developed API functions and engineered data transformation processes in collaboration with Singapore Customs and Accenture.
- **Backup Checker:** Designed a console application for backup file monitoring and anomaly detection.
- **Brute Force Attack Detection:** Identified and reported SQL server attacks, providing recommendations for mitigation.

## Education

### Bachelor of Science with Honours in Computing Science

Singapore Institute of Technology & University of Glasgow

October 2024

### Diploma in Information Technology

Singapore Polytechnic

May 2019