

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. Adept at supporting IT projects, conducting research analysis, and collaborating effectively.

Experience

IT Project Management Intern

ASM International, Singapore August 2023 – April 2024

- Managed complex IT projects, enhancing project management efficiency and streamlining administrative processes.
- **Project Panaya:** Standardized internal processes and created documentation for Panaya’s SAP Testing, resulting in improved technical support and enhanced staff training.
- **Project Variant Configurator (VC) Phase 2:** Supported System Integration Test, User Acceptance Test, and Go Live phases; facilitated onsite collaboration, ensuring seamless onsite collaboration.
- **Project TRANS4M:** Facilitated administrative tasks and managed logistics for Project TRANSAM, enhancing overall project efficiency.

Research Assistant

Singapore Institute of Technology, Singapore October 2021 – January 2023

- Conducted quantitative research analysis and developed a data capture system in Excel, resulting in improved data management and streamlined coding tasks for the team.
- **Project Blended Design and Critical Thinking:** Contributed to a large-scale SIT ALIGN funded project by performing lesson observations and conducting literature reviews, enhancing the project's design and informing critical thinking practices.

Store Incharge [National Service]

Republic of Singapore Air Force, Singapore December 2019 – August 2021

- Managed unit procurement finances and oversaw building operations, resulting in improved efficiency and effective communication with contractors.
- **Budget Planning:** Assisted in annual budget planning by analyzing three years of expense data for accuracy, resulting in improved financial forecasting.
- **Infrastructural Improvements:** Supervised renovation projects and improved tracking through enhanced Excel sheets, resulting in more efficient project management and strengthened vendor relationships.

Software Development Intern

KEYfields Pte Ltd, Singapore April 2018 – August 2018

- Executed research and development activities using C#, ASP.NET, and MS SQL, resulting in enhanced application performance and user experience.
- Developed a route optimization algorithm for the Travelling Salesman problem using Google Maps API for live data, enhancing efficiency in route planning.
- **National Trade Platform (NTP):** Developed API functions and engineered data transformation processes in collaboration with Singapore Customs and Accenture, enhancing data integration efficiency and streamlining trade operations.
- **Backup Checker:** Developed a console application for monitoring backup files and detecting anomalies, enhancing data security and reliability.
- **Brute Force Attack Detection:** Identified and reported SQL server attacks, leading to recommendations for mitigation that enhanced system security.

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