

A software engineer with 7 years of working experience in data management, database development, web content management, system development from healthcare, finance to construction industry. Organized and dedicated with proven track record of delivering quality IT products and data related services to stakeholders and 2 years' experience in conducting data management with REDCAP, MS Excel & MS Access training for medical staffs. Ability to perform effectively in independent or team environments.

Work Experience

Senior Software Engineer (Permanent), 07/2019 – 12/2021

Penta-Ocean Construction Co. Ltd - Tuas Terminal Phase 2 Project

- Assigned as the primary software developer and MSSQL database developer to **SGD 1.4 billion Tuas mega port project** led by Penta-Ocean / Hyundai / Boskalis Joint Venture.
- One of the IT projects was developing and deploying a 'Antigen Rapid Test' (ART) registration system which is a web application that is capable of generating and printing barcode labels for SWAB test kits.
- Designed and built dashboard for construction managers using Microsoft Power BI, ChartJS and KendoUI framework.
- Create SQL Stored Procedures to perform complex queries and complex data manipulations and extractions.
- Proactively conduct audits to ensure data compliance and security and address any potential data issues

System Analyst (External Contract), 09/2018 – 06/2019

United Overseas Bank (UOB)

- Developed automation tools for Group Wholesale Banking and UOB Thailand to generate monthly report. The systems have reduced processing time from 1 week to 3 hours.

Data Manager (Permanent), 10/2016 – 08/2018

Tan Tock Seng Hospital

- Design, build and maintain databases for various clinical research projects.
- Perform all necessary data transformations to populate data into a database
- Provide expert advice and educate staff members on important data compliance requirements.
- Proactively conduct audits to ensure compliance and address potential issues
- Delivered Data Management and MS Excel and Access database training courses to hospital staffs.

Research Assistant (Contract), 01/2014 – 09/2016

Tan Tock Seng Hospital

- Responsible for patient recruitment, data collection and analysis, and preparation of monthly reports for research team and stakeholders.
- Tracked project financial spending to ensure it operates within the approved research budget.
- Designed, built and deployed web-based electronic form to facilitate collection and reporting of research data

Education

NANYANG POLYTECHNIC – Specialist Diploma in Business & Big Data Analytics

- Created a web crawling tool to extract text data from a web forum called "Kiasu parents" for data analysis and discovery of new insights.

MURDOCH UNIVERSITY - Bachelor of Science in Business Information Systems and Cyber Forensics, Information Security & Management

- Tasked to build a "Kanban" web system prototype for final year project. The project received distinction.

REPUBLIC POLYTECHNIC – Diploma in Business Application

- Developed a school video sharing web portal for final year project. The project received distinction

Contact Details

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Key Skills

1. Web Development
2. Data Management
3. Database Setup
4. Data Management consultancy and training
5. Data security
6. Training & presentation
7. Administrative work
8. Budgeting
9. Procurement

Technical Skills

1. PHP & JavaScript
2. MS Excel, MS Access, MySQL & SQL Server
3. Visual Basic for Application (VBA)
4. Information security
5. Power BI
6. SPSS Statistics
7. MS Visio & Project

Language

1. English
2. Mandarin

Oct 2015 – Sep 2016

Nov 2013 – Apr 2015

April 2006 – April 2009