TAN KAI SIN

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[Portfolio](#) / [GitHub](#)

WORK EXPERIENCE

Livein Sdn Bhd   **Kuala Lumpur**

Data Engineer|Python|Pandas|Beautiful Soup|PostgreSQL|AWS Lambda|Microsft Excel   *October 2024 - Present*

- Design and implement an ETL pipeline to seamlessly integrate data into a data warehouse using AWS Lambda
- Design and develop detailed summary reports using Python and PostgreSQL, and implement an automated solution to replace traditional manual processes, ensuring data integrity, accuracy, and optimized performance.
- Develop an advanced web scraping solution using Python, BeautifulSoup, and Selenium for efficient data extraction and analysis.

RHB Bank Berhad   **Kuala Lumpur**

Data Engineer|Python|Pyspark|Hadoop|SAS|Apache Nifi   *October 2023 - September 2024*

- Drove development of the Enterprise Data Lake (EDL) data pipeline.
- Supported and prepared SIT and UAT testing of the pipeline, ensuring data integrity and adherence to business requirements.
- Facilitated efficient data access for analytics by supporting ad-hoc SAS tasks and data ingestion into Hive.

Nettium Sdn. Bhd. / DATABRICKS TECH Sdn.Bhd.   **Kuala Lumpur**

Data Engineer|Microsoft Excel VBA|MSSQL|SSRS   *September 2020 - September 2023*

- Automated manual data processing pipeline (login, web scraping, cleansing, tallying) using Microsoft Excel VBA & Selenium, reducing time from 1 hour to 15 minutes (75% reduction).
- Developed Excel macros to automate data manipulation tasks (VLOOKUP, filtering, copying, importing).
- Implemented Tesseract OCR to automate captcha bypass for login.
- Contributed to report creation using SSRS and provided UAT testing & user support.

MiHCM Asia Sdn Bhd   **Kuala Lumpur**

Technical Specialist|MSSQL|SSRS   *March 2020 - September 2020*

- Managed data migration processes and provided client assistance for resolving issues.
- Developed SQL queries for data migration and data integrity checks in test environments.
- Contributed to SSRS report creation to enhance data visualization and analysis.
- Provided responsive client support for resolving issues like report errors and data inconsistencies.

QS Enrolment Solutions Sdn.Bhd.   **Kuala Lumpur**

Data Coordinator|Microsoft Excel   *March 2018 - February 2020*

- Ensured client data accuracy and completeness before CRM upload.
- Developed Excel macros using VLOOKUP, conditional logic, and formatting to streamline data cleaning.
- Provided technical assistance for CRM data accuracy issues.

Aspert Innovations Sdn Bhd   **Kuala Lumpur**

SAP Technical Consultant Intern|VB.Net|MSSQL|SAP Crystal Report   *February 2017 - July 2017*

- Developed stored procedures in SQL Server 2014 to support Crystal Reports, ensuring efficient data access for reporting needs.
- Assisted in automating report format conversion using VB.NET, streamlining report generation processes.

EDUCATION

Tunku Abdul Rahman University of Management and Technology   **Kuala Lumpur**
Bachelor Degree of Information Systems (Honours) in Enterprise Information Systems   *2017*
- **Final Year Project**: Data analysis with RapidMiner & Tableau for visualization.

Tunku Abdul Rahman University of Management and Technology   **Kuala Lumpur**
Diploma In Science (Business Information Systems)   *2015*

SKILLS & INTERESTS

Software and Tools: VSCode, Bitbucket**,** Microsoft Excel, Microsoft SQL Server,
Programming Language: Python, Spark, Hadoop, Microsoft Excel VBA, MSSQL
Languages: English, Mandarin, Bahasa Melayu