

# TAN KAI SIN

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## WORK EXPERIENCE

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### **Livein Sdn Bhd**

**Kuala Lumpur**

*Data Engineer/Python/Pandas/Beautiful Soup/PostgreSQL/AWS Lambda/Microsoft 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

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<b>Tunku Abdul Rahman University of Management and Technology</b> <i>Bachelor Degree of Information Systems (Honours) in Enterprise Information Systems</i> <ul style="list-style-type: none"><li><b>Final Year Project:</b> Data analysis with RapidMiner &amp; Tableau for visualization.</li></ul>	<b>Kuala Lumpur</b> 2017
<b>Tunku Abdul Rahman University of Management and Technology</b> <i>Diploma In Science (Business Information Systems)</i>	<b>Kuala Lumpur</b> 2015

SKILLS & INTERESTS

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