

# CHEAH HAN MING

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## EDUCATION

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### Universiti Utara Malaysia

Jul 2011 – Aug 2015

- Bachelor of Accounting Information System
- Second Class Upper honors

### SMJK JIT SIN

Jul 2009 – Dec 2010

- STPM certificate
- STPM subjects taken: Mathematics S, Accounting, Economic and Pengajian Am
- Scored 4A in STPM

## PROFESSIONAL EXPERIENCE

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### Air Liquide Malaysia

July 2021 – Present

Data Visualization Specialist (Data Engineer and Business Intelligent)

- Responsible for functional specifications - Understanding the business requirements, design ETL pipeline, identify appropriate project methodology and cloud applications (AWS and Azure) for the project.
- Principal consultant to Infosys for data modelling and Power BI
- Lead and coordinate the technical team (Infosys) with both agile and waterfall methodologies. Develop logic, provide technical solutions and support if necessary.
- Manage project user stories and backlogs within Azure Devops - prepare clear instructions and highlight potential risks to the developers.
- Analyze and resolve data problems raised by users. Create and modify SQL stored procedures in Azure SQL Database and Datawarehouse.
- Design and develop appropriate data models with Azure Analysis Service (star, snowflake or hybrid schema) for the projects based on the scopes and requirements.
- Manage deployment pipeline with CI/CD tool to avoid/minimize the potential development risks.

#### *Completed and on-going projects*

- Completed few ETL Pipelines which to fetch the data from source servers to Azure SQL DB
- Designed and developed APAC CRM Model and Finance Model
- Migrated linear programming (optimization model) from AIMMS to python
- Main Projects
  - APAC Prospect Data Model and BI reports with Sales and Marketing team (Prod Mode)
  - APAC Financial Model and BI reports with Finance team (Prod Mode)
  - APAC Customer Online Order Model (Prod Mode)
  - Customer Feedback Model (Dev Phase)
  - Configure, Price, Quote Model (Dev Phase)

### BP Malaysia

Oct 2019 – Jun 2021

Business Intelligent/Data Scientist

- Analyze trends, data, pricing strategies and other data that can potentially improve business performance.
- Interact with internal teams across Segments and Functions to drive data assurance and respond to data needs.
- Develop and automate BI reports, iterative build and prototype dashboards to provide insights at scale, solving for analytical needs.
- Design, develop and implement data pipelines/ETL. Monitoring performance and advise necessary infrastructure changes based on Cloudera, Microsoft and open-source applications.
- Design, develop and implement the required analytical algorithms, techniques and statistical models to solve business problems and achieve business goals.
- Diagnose the business issues using strategic and advanced analytics, propose solutions and proposal to business partners.
- End to end architecture and implementation of Big Data pipeline for Azure, machine learning model with databrick and Azure Machine Learning

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- Develop infrastructure as a code with Python for automation.

## *Achievements in BP*

- Migrated data sources to Cloudera, transform and integrate data with ETL tools.
- Implemented and automate new Power BI analytical reports which enable management to track data in real time and rationalize supplier base.
- Implemented Statistical Models and Machine Learning which to determine SLA for respective service lines automatically based on historical data. Developed an email trigger system that will send notifications to the case owners who fail SLA.
- Optimize Power BI reports by fixing all the hard coding and improve the performance by re-designing data model and ETL.
- Automate Power BI reports by connecting the reports to Impala and Salesforce Objects.
- Demonstrate and take over machine learning project from KPMG UK and Imperial London College, result shows 0.5 mil USD saving.

## **Astra Zeneca Sdn Bhd**

Mar 2018 – Oct 2019

### Team Lead

- Lead and direct the team to gather Data, BI and Analytics requirements from all business stakeholders and develop/build/maintain applications to support the business requirements.
- Collaborate with cross-functional leaders to understand the impact of various operational processes, drive improvements, investigate issues, provide data-driven insights and recommend solution.
- Manage resources and co-ordinate the delivery and support of agreed services and products to the stakeholders.

### Senior Data Analyst

- Develop and deploy analytical solutions across a variety of business functions, including, but not limited to P2P, C2C, close and reporting, helpdesk, data quality and commercial reporting.
- Analyze and visualize the processes of business functions to improve efficient of the processes.
- Advise finance controllers on the area to improve and implement automation across the business functions for achieving time/cost saving.
- Extract, transform and load the data into the database or other tools.
- Develop approaches and templates to transform complex unstructured data to structured data.
- Develop hypotheses and test it with data and produce timely reports for the stakeholders.

## *Achievements in Astra Zeneca*

- Completed several migrations of excel and Power BI reports to Microstrategy where operating cost is reduced.
- Implemented several automations in routine tasks and saved up to 40 hours/month.
- Identified and analyzed the root causes of rework in P2P process by using Celonis and came up with a business case.
- Implemented auto data validation whereby it brings time saving and minimize errors in reporting.
- Integrated data across all business functions to improve the reporting quality by remapping master data.

## **Intel Technology Sdn Bhd**

Jul 2015 – Feb 2018

### Finance Business Analyst

- Prepare analytic report and account monitoring analysis for management to provide information on the fluctuation of accounts.
- Perform audit and reconciliation to all accounts in statement of financial position to evaluate the reasonability of account activities and ending balance.
- Reviews and drives improvements in cash management, ensuring financial obligations are met in accordance with Intel policies and procedures.

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- Monitors cash transactions to ensure that bank account balances to report and any unusual items are investigated.
- Drive process improvement and policy development initiatives that impact the function

## *Achievements in Intel*

- Review and implement new VAT filing process and manage to save tax payment up to \$100k through the new VAT filing process.
- Working closely with Vietnam Tax Manager and successfully claim back \$400k from Vietnam Government.

## **PricewaterhouseCoopers**

Jan 2015 – Mar 2015

### Assurance Team (*Audit Intern*)

- Review the work of the firm's clients which involves evaluating the accounting systems, inspecting accounting document and reviewing the work performed by the client.
- Understand client's internal control by observing the action of the accounting staff and inquiring the accounting staff on the internal control.
- Analyze and test the efficiency and effectiveness of the client's control by performing walkthrough or other alternative approach.
- Assist senior auditor in testing the accounts related to PPE, account payable, account receivable cash and bank and other expenses.

## **OTHER WORKING EXPERIENCE**

### **Jabatan Perkhidmatan Awam**

Jun 2014 – Sep 2014

Jun 2012 – Sep 2012

### Temporary Teacher

- Teaching, according to their educational needs, the pupils assigned to him/her, including the setting and marking of work to be carried out by the pupils in school and elsewhere
- Assessing, recording and reporting on the development, progress and attainment of pupils.

## **AWARDS/ ACHIEVEMENTS**

- King Scout Award from Perak Scout Association Sep 2008
- The Best Student of Secondary School Dec 2008

## **OTHER SKILLS/INFORMATION**

- Skills: -  
ETL, Data Warehousing and Modeling, Data Integration, Data Visualization, Automation, Web Scrapping, API, Statistical Models and Machine Learning.
- Programming Language: -  
SQL, DAX, VBA, Power Query, Python and R
- Application and Tools (hands on): -  
Microsoft Office, MicroStrategy, Power BI, Hue, Oracle SQL, SSIS, SSAS, SAP Business Objects, Microsoft Azure, AWS, CI/CD tools and Microsoft Power Automate.
- Languages: English, Malay and Mandarin (speak and write).