Koh Wyhow

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Technology Stack

Front-end: **Vue.js**, **Tailwind CSS**
Back-end: **SQL**, **R**, **Python**
Data visualization: **Looker Studio**, **Power BI**
Cloud computing: **Google Cloud**, **Azure**

Work Experience

Microsoft (Malaysia)
Solution Engineer, Mar 2025 – Present
- Led technical envisioning and architecture workshops for enterprise accounts
- Designed and validated Azure data platforms via targeted proof of concepts
- Architected Fabric workloads for customers
- Used Azure and Microsoft Fabric

Roche Services (Asia Pacific)
Senior IT Professional – Data Integration, Oct 2022 – Mar 2025
- Ran data virtualization activities like creating views, troubleshooting existing setups, coaching other developers to set up data virtualization projects
- Built automated web scrapers and text detection algorithms for the APAC PharmaVigilance and Patient Safety teams
- Coached Master Data Ops team in **SQL** and automated text detection using **Python**
- Used Denodo and GCP: Cloud Functions, Cloud Run, Cloud Scheduler

Khazanah Nasional Berhad
Assistant Vice President, Digital & Technology, Nov 2021 – Nov 2022
- Reviewed **Power BI** dashboards. As a result of coaching from the previous year, the two younger team members are now able to manage data visualization projects on their own
- Performed technical diligence work to assess feasibility of automating internal reports using **Azure Functions** and **Python**
- Built the front-end of a custom search engine and custom CRM using **Vue.js** and **Tailwind CSS**
- Conducted research using patents data to highlight possible alpha generation opportunities using Google Patents and Bloomberg data
- Used Azure: SQL, Storage, Automation Runbook, Functions, Static Web Apps

Data & Analytics SME, Nov 2020 – Oct 2021
- Built a **Power BI** dashboard for Airports team to monitor stock performance, passenger movements, and other regional airports using data from Bloomberg and MAHB operating statistics
- Built inflation forecasting model for Malaysia, to forecast rates 6 months ahead using **Python**, ARIMA, and Prophet
- Developed a state-wide hotspot map of Covid-19 cases from MySejahtera data using **Google My Maps**
- Coached two younger team members in common tech and methods used in data and analytics work

Star Media Group
Data Science Manager, Mar 2019 – Nov 2020
- Deployed chatbots on Facebook Messenger for Majalah Kuntum and The Star Online using **Dialogflow** to support customer service operations
- Deployed two image recognition systems for Kuali on Google Play and Apple App Store using a deep learning model, and **Google Vision's OCR** for recipe recommendation

- Built POCs for automated journalism, automated summarizer, automated headline generator, and Aesthetic/Image Quality Classifier
- Contributed to several data journalism articles
- Used GCP: BigQuery, Storage, Cloud Functions, App Engine, Dialogflow, Cloud Run

Education

Bachelor of Science (Mathematics), 2009 - 2013
National University of Singapore

Sijil Tinggi Persekolahan Malaysia (STPM), 2007 – 2008
Sekolah Menengah Kebangsaan SS 17

Other Achievements

Microsoft Certified, 2025 – Present
- Azure Fundamentals
- Power Platform Fundamentals
- Dynamics 365 Fundamentals (ERP)
- Dynamics 365 Fundamentals (CRM)
- Azure Data Fundamentals
- Azure AI Fundamentals
- Security, Compliance, and Identity Fundamentals
- GitHub Foundations
- GitHub Copilot

Scrum.org
- Professional Scrum Master I, Oct 2021 – Present
- Professional Scrum Master II, May 2025 – Present

The Council for Six Sigma Certification (CSSC), Feb 2025 - Present
- Lean Six Sigma Green Belt

Neo4j, Jan 2025 - Present
- Certified Professional
- Graph Data Science Professional

Malaysian Financial Planning Council, Jan 2016 - Present
- Associate Registered Financial Planner

Securities Industry Development Corporation, Jan 2018 - Present
- Module 7 Financial Statement Analysis and Asset Valuation
- Module 10 Assets and Fund Management
- Module 14 Derivatives