

Wilbert Chong Lai Seng

wilbertchong27@gmail.com • linkedin.com/in/wilbertchong27 • +60176882007

Technical

- Github Action
- Data Lakehouse
- GIT
- Terraform
- Apache Spark
- Python
- Snowflake
- DBT
- AWS
- SQL/Postgres
- Airflow
- ETL/ELT
- Data Governance
- REST APIs
- Data Modeling
- Docker/Kubernetes

Experience

Data Engineer

Moneylion

Kuala Lumpur, Malaysia

Mar 2024 – present

- Managed and led the data platform teams throughout the MrBeast “Beast Games” project, successfully executing a scaling strategy that ensured zero downtime while handling a 12x increase in data volume during peak periods.
- Led data lifecycle management and archival planning by utilizing Snowflake’s metadata and information schema to enrich insights, resulting in \$15K annual cost savings.
- Led and managed the team in executing a secure, org-wide Snowflake credential migration, while spearheading the development of Terraform-based automation for user creation and role assignment, ensuring seamless integration with zero downtime.
- Leveraging Iceberg statistics to create monitoring dashboards and trigger automated compaction workflows, ensuring optimal query performance, and storage efficiency across the Lakehouse platform.
- Enhanced analytical SQL performance by 30% by advocating for and implementing data modeling best practices in Snowflake, working with cross-functional teams to optimize reporting structures.
- Improved operational efficiency by automating repetitive tasks through Slack and Jira APIs, reducing manual efforts and communication overhead across engineering and operations teams, leading to a 50% boost in team productivity.
- Gathered requirements and designed scalable data models and ELT pipelines for various business use cases, integrating data from PostgreSQL, MongoDB, S3, and APIs using Airbyte, Airflow, dbt, and Snowflake.

Data Engineer

Tencent IEG (Outsourced via BeyondSoft Sdn Bhd)

Kuala Lumpur, Malaysia

Jul 2023 – Feb 2024

- Developed and implemented a robust real-time monitoring system for ETL pipelines, enabling proactive fault detection and alerting to prevent data loss.
- Integrated automated reboot capabilities for abnormal tasks and implemented a pause function via APIs, allowing for temporary suspension of alerts during maintenance or testing.
- Seamlessly connected multiple databases through API integrations to ensure efficient data flow and accessibility.
- Constructed stream processing ETL pipelines using Apache Flink, Kafka, and Redis to support low-latency real-time data requirements.
- Built batch processing ETL pipelines with HDFS, Spark, ClickHouse, and Postgres, transforming raw data into actionable insights for analytical purposes.

Wilbert Chong Lai Seng

Data Science Intern

Kuala Lumpur, Malaysia

VIU

Nov 2022 – Feb 2023

- Developed a graph database using Neo4j for storing and querying data.
- Conducted a thorough cluster analysis, identifying 43 significant clusters of content.
- Implemented a similarity search algorithm to find similar content based on the graph database.
- Performed keyword extraction on content description to identify important terms.
- Created visualizations of the cluster groups to help the team to visualize the size and the number of clusters.

Education

Monash University Malaysia

Bachelor of Computer Science in Data Science

GPA: 3.083, WAM: 75.538

Jun 2023

- Final Year Project – Spectral Analysis of EEG from Post Stroke Patient

Sunway College, Malaysia

Monash University Foundation Year

Jun 2020

Chong Hwa Independent High School, Malaysia

Jan 2019