THANAPOOM TONGPLENGSRI

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PROFESSIONAL SUMMARY

Aspiring **Data Engineer** with a strong foundation in **AWS Cloud** and modern data engineering tools
Built a **Serverless Data Lake on AWS**, **reducing file size by 85.66%** and **scan size by 99.3%** using **Parquet and Partitioning**
Built an **automated data warehouse (Redshift, DBT, Airflow)** with integrated **data quality checks (dbt-expectations)**

KEY PROJECTS

AWS Serverless Datalake Project

- **Designed and implemented a serverless architecture** using **Athena** as a query engine to analyze data stored in **S3**
- **Optimized performance** : Reduced file size by **85.66%** and scanned data by **99.3% (CSV to Parquet + Partitioning)**
- **Automated data ingestion** using **EventBridge, Step Functions, and Glue**
- Built **QuickSight dashboards** to **visualize KPIs**
- **Tools:** S3, Glue, Athena, Step Functions, CloudWatch, QuickSight, Python, SQL

AWS Data Warehouse Project

- **Built an automated data warehouse system** on **AWS** using **Redshift, DBT,** and **Airflow** to analyze supermarket sales data
- Integrated **daily incremental updates** from **S3 to Redshift** via **Python/Boto3**
- Used **DBT** to build **star schema**, apply **data quality tests** (**dbt test + dbt-expectations**), and develop transformation models
- Scheduled workflow using **Airflow on EC2**; visualized trends via **QuickSight**
- **Tools:** Redshift, DBT, Airflow, S3, EC2, QuickSight, Python, SQL

TECHNICAL SKILLS

Programming & Tools: SQL, Python, PySpark, DBT, Apache Airflow, Tableau, Databricks
AWS Services: S3, Glue, Athena, Redshift, QuickSight, IAM, EventBridge, CloudWatch, Step Functions, EC2
Data Engineering: ETL/ELT Pipelines, Data Modeling, Data Quality, Data Orchestration, Serverless Datalake, Data Warehouse
Languages: Chinese (HSK4), English (Basic)

SOFT SKILLS

Problem-solving, Team collaboration, Communication, Critical thinking, Attention to detail, Growth mindset, Self Learning

CERTIFICATIONS

- **30+ FutureSkill Courses**
  - **SQL** (RDBMS, SQL Query: Aggregation, Grouping, Join, Subqueries, CTE, CTAS)
  - **Python** (Basic Structure & Syntax, Loops, Function, DAGs, Boto3, Pandas)
  - **AWS Cloud** (Cloud Computing, Service: Compute, Storage, Database, Analytics, Permission, Security)
  - **Data Analytics** (Use Cases Data Analysis, Data Cleaning, Data Visualization)
  - **Data Engineer** (Pipeline, Data Lake, Data Warehouse, Star/Snowflake schema, Scheduling, Data Quality)
- CFP Module 1-4 , IC License (121911)

EDUCATION

Bachelor of Economics, Sukhothai Thammathirat Open University (2021), Self-funded while working full-time

PROFESSIONAL EXPERIENCE

SELF-DIRECTED INVESTOR   **2018–PRESENT (7 YEARS)**
- Grew personal portfolio from 200,000 to 1.8 million THB through strategic investment in stocks and crypto
- **Achievement:** Analytical thinking and risk management over market cycles

FINANCIAL ADVISOR , BANGKOKLIFE   **2022–2024 (2 YEARS)**
- **Achievement:** Tax planning, insurance, and long-term investment, personal financial planning

ASSISTANT MANAGER , หจก.โรงสีไฟอึ้งเลี่ยงเส็ง   **2015–2021 (6 YEARS)**
- Managed daily operations, overseeing 10+ workers, machinery maintenance, stock inventory, and production
- **Achievement:** leadership, problem-solving, and process optimization skills