

# THANATHORN BOONYAKIJJINDA

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## ABOUT ME

My name is Chopper, and I am 24 years old with one year of experience as a data analyst. I am friendly, get along well with everyone, and work professionally while taking full responsibility for my duties. I am skilled in data visualization, data pipelines, and data transformation. I have successfully completed projects using Apache Airflow and Dagster. I am passionate about learning new things and continuously invest time in self-development. I hope to have the opportunity to work with you and contribute my skills to benefit your company to the fullest.

### **Website for additional information about my work.** [https://choppertnt.github.io/Thanathorn\\_Boonyakijjinda\\_webprofile/](https://choppertnt.github.io/Thanathorn_Boonyakijjinda_webprofile/)

## EDUCATION

### Thammasat University

2018–2023

- Power Electrical major , Engineering with GPAX at 3.59

## EXPERIENCE

2023 Aug–2025 Jan

### Alot tech

- Data Analyst

#### ETL Process (Extract, Transform, Load)

- Extract: Automatically retrieve .xlsx files from Google Drive using Python daily.
- Transform: Clean data by removing inconsistencies, null values, and unnamed columns using Pandas.
- Perform data transformations with SQL to calculate daily sales and group data by product type, while comparing it to the previous month.
- Store transformed data in a PostgreSQL database.
- Upload daily sales data to Google Sheets using the Google Sheets API.
- Analyze: Create visual dashboards in Power BI to display daily sales figures and compare cumulative sales with the previous month.
- Report: Export Power BI reports as PDFs for easy sharing. Automate email distribution of reports to executives daily using Python.

#### Monthly Report

- Create a monthly marketing report that includes the following sections: sales, engagement, and consumer behavior. The data will encompass YoY (Year-over-Year), MoM (Month-over-Month), YTD (Year-to-Date) , growth rate and an analysis of trends
- There are two formats: the first format is visualization, where in the past, reports were created using Looker Studio, but now we have switched to using Power BI for visualization.
- The second format is reporting, where we use Canva to create presentations for conferences.

### Bluebik Vulcan

- Data Engineer

2025 Jan – Current

#### Vector search Project (dagster , gke , spanner , bigquery)

- Create a pipeline to migrate data from BigQuery to Spanner, including various data transformations and reconciliation checks
- We use Dagster to build the pipeline, leveraging features such as partitions, sensors, and Kubernetes (K8s) integration for orchestration.
- Create tables and indexes on Spanner, including support for vector and search indexes.

#### Implement cost optimization strategies for Google Cloud Storage

- Delete or archive files using strategies such as archiving and retention policies.
- Design and configure the storage structure, including bucket setup, naming conventions, and access controls.

## PROJECT

### ETL with Airflow + Pyspark + GCP + Bigquery

- Pick up a CSV file from a GCP bucket using PySpark, check for duplicates, and clean the data to make it ready for use. Upload the cleaned data to BigQuery, and use Power BI to connect the data to make a visualization dashboard. The entire process is managed using Airflow on Docker.

Complete Project Code: [Airflow Project on GitHub](https://github.com/Choppertnt/airflow_project) [https://github.com/Choppertnt/airflow\_project]

### ETL with Dagster + GoogleDrive + postgresQL + DBT

- Pick up a CSV file from Google Drive with google API thought python . Upload data to PostgreSQL , and DBT for Tranfrom data and plot graph . The entire process is managed using Dagster

Complete Project Code: [Dagster Project on GitHub](https://github.com/Choppertnt/dagster_project) [https://github.com/Choppertnt/dagster\_project]

### Aws and Databricks

- Use AWS S3 as a Data Lake and Databricks clusters as a Data Lakehouse. Upload a CSV file to AWS S3 and mount it to DBFS. Use Databricks notebooks to generate code and process data with Delta Lake, following the bronze (raw data), silver (clean data), and gold (visualization/dashboard) stages. Finally, create workflows and set schedules to run every day.

Complete Project Code: [Aws and Databricks on GitHub](https://github.com/Choppertnt/databricks_project) [https://github.com/Choppertnt/databricks\_project]

### Application Ordersales By Flask , Vercel , MongoDB , Pyspark and PostgreSQL

- Flask Web Application: A web form for order details including customer name, phone number, sales date, product, quantity, and price. The data will be semi-structured (JSON-like).
- Deployment to Vercel: You'll deploy your Flask app to Vercel for live access.
- MongoDB Storage: The form data will be uploaded and stored in MongoDB as semi-structured data.
- PySpark Data Transformation: Data from MongoDB will be loaded, transformed to structured data, and cleaned using PySpark.
- PostgreSQL for Storage: Transformed data will be loaded into PostgreSQL, where a trigger is set up to further clean the data.

Complete Project Code: [MongoDBproject on GitHub](https://github.com/Choppertnt/databricks_project) [https://github.com/Choppertnt/databricks\_project]

## KEY SKILLS

Python (Google API , bs4 selenium , tkinter , pyinstaller , matplotlib , seaborn , Flask)  
R program (dplyr , dummies , tidyverse , syuzhet)  
Database (PostgreSQL (Tigger , Function) , Bigquery , SQLite , MongoDB)  
Excel (VLookup , Pivot-table , IF , Query , Google Sheets )  
JavaScripts (APP SCRIPTS )  
PowerShell  
Github , Vercel  
ChatGPT

## KEY SKILLS VISUALIZATION

Power BI  
Locker Studio

## KEY SKILLS TOOLS OF DATA

AMAZON S3 (AWS S3)  
MinIO  
Pyspark  
Google Cloud Platform  
Snowflake  
DBT  
Airflows , Docker  
Kubernetes  
Dagster  
Fivetran

## CERTIFICATES/COURSE

2024 | DATACAMP  
DATA ENGINEER  
• Pass Exam Practice in Data engineer management , Exploratory Analysis

2024 | TRUE ACADEMY  
DigiProof Assessment : Basic Data Analyst  
• Pass Exam demonstrating their skills and knowledge in key areas for the of role junior data analyst.

2024 | DATACAMP  
SQL ASSOCIATE  
• Pass Exam SQL in Data management , Exploratory Analysis

2024 | DAGSTER  
Dagster&Dbt  
• Knowledge Asset , data orchestration and use DBT transform

2024 | DATA TH  
ROAD TO Analytics Engineer  
• Tools of AE such as databricks , AWS , Snowflake , Dagster , DBT

2024 | Google coursera  
Google Advanced Data Analytics  
• Learned about data science , python , data insight , statistics

2023 | Google coursera  
Google Data Analytics  
• Learned about Ask , Prepare , Process , analyze

2023 | Microsoft  
Azure AI Fundamentals  
• Pass Exam Knowledge of AI Fundamentals

2023 | Microsoft  
Azure Data Fundamentals  
• Pass Exam Knowledge of Data Fundamentals

2023 | Ultimate python  
Web Scraping  
• Knowledge how to Extracted data from website