## ❄ Personal Information

💼 Watchara Chamnandachakul (Lee)

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## ❄ Education

📅 **2014 - 2018**

College of Nanotechnology, King Mongkut's Institute of Technology Ladkrabang (KMITL)

📅 **2011 - 2013**

The Demonstration School of Ramkhamhaeng University (High School)

📅 **2008 - 2010**

The Demonstration School of Ramkhamhaeng University (Middle School)

## ❄ Skills

Coding and DevTools

- Git, GitHub, GitLab
- Docker
- Python, SQL, JavaScript, HTML, CSS

Frameworks

- Airflow
- PySpark
- Flask/Quart

Databases

- PostgreSQL
- MySQL
- Microsoft SQL Server

Platform

- Google Cloud Compute
- Google Cloud Storage
- Google Cloud BigQuery
- Google API Gateway
- Google Tag Manager
- Huawei Data Lake Insight (Spark-based platform)
- Huawei Object Storage
- Airbyte
- DataHub
- Odoo, Salesforce
- CDP Customer Data Platform
- JIRA

## 🌐 Languages

- Thai
- English

# 💼 Work Experience

## Data Engineer at *Siam Piwat (Contract)*

📅 **July 2024 -**  Present

Experienced in designing and optimizing data pipelines using tools like Airflow and Airbyte workflows. Hands-on experience with PostgreSQL database, PySpark for data processing, and Kafka for real-time streaming. Leveraging tools like object storage.

*Key Responsibilities*

- Designing, implementing, and supporting data pipelines to ensure consistency of data flow and processing.
- Resolving data pipeline issues and addressing data-related concerns from dashboards, data users, and the analytics team.
- Migrating Airflow code to accommodate API changes across different versions.
- Utilizing Airbyte to store raw data as Parquet files in Huawei OBS and Google Cloud Storage (GCS).
- Extract transform and load data using PySpark.
- Create curated tables based on data users requirements.
- Developing and documenting business requirements and functional specifications.

## Solution Consultant/Data Analyst at *Mintelligence*

📅 **Dec 2022 - May 2024**

Experienced in transformative data migration through API and sFTP methodologies, leading initiatives to enhance team performance and achieve cost-effective solutions through proficient use of Python scripting techniques and Looker Studio for data visualization.

*Key Responsibilities*

- Installation of web tracking SDK (JavaScript) on customers' web pages, integrated within Google Tag Manager, and hosted on Google Cloud Platform Firebase.
- Customized web push modals using external JavaScript and CSS.
- Developed web demos for both customer-facing interactions and internal use.
- Designed and deployed a microservice (Flask, Quart) for data filtering before storage in the main database. Utilized Google Cloud Platform services such as Cloud Functions, Cloud Run.
- Executed data cleansing using Python and SQL.
- Managed the migration of data from various environments, including raw data from files, to Google Cloud Platform BigQuery.
- Transitioned manual work processes to automated workflows.
- Data visualization by Lookers Studio for custom requirement excluded from standard CDP platform.

## Senior ERP Application Support and Business Support at *Trinity Roots*

📅 **May 2021 - Oct 2022**

Conducting comprehensive business analysis, optimizing operational efficiency, and providing consulting services for change request of ERP system.

*Key Responsibilities*

- Collaborating with stakeholders to understand and address ERP system change requests.
- Leading customer training sessions to facilitate smooth implementation and maximize system utilization.
- Developing and documenting business requirements and functional specifications.
- Conducting data analysis to support decision-making and identify potential issues.

## Project/Product Coordinator at *Somerville (Siam) Limited*

📅 **Jan 2020 - Apr 2021**

Experienced professional skilled in assessments, collaborative planning with design experts, and successful establishment of distinguished company brands for heightened market presence and recognition.