

# Kevin Lloyd E. Esguerra

Data Engineer | Licensed Civil Engineer

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## WORK EXPERIENCE

### **Data Engineer – SariSuki Stores, Inc.** (FEB 2024 – Present)

- Created, maintained, and optimized existing ETL/ELT pipelines which reduced GCP costs by 50% and scripts runtime by up to 90%
- Restructured and optimized existing Airflow DAGs; removed redundant scheduled dbt model updates
- Created complete and proper dbt model documentation and tests from sources to data marts
- Optimized dbt models updates by changing table materialization to incremental, reducing BigQuery write costs and update runtime
- Introduced proper Git practices to the data team
- Tech used: Python, SQL, dbt, Airflow, Git (Github), GCP (BigQuery, Bucket), AWS (S3, EC2), Metabase

### **Data Analyst – Growsari Enterprise, Inc.** (MAY 2022 – FEB 2024)

- Reduced unserved customer orders by 80% by improving and optimizing product availability SQL queries used in customer app
- Automated Daily Sales and Weekly Sales Reports referenced by stakeholders in decision-making
- Built and maintained ETL and ELT pipelines to access processed data in Redshift
- Reduced technical debt by creating bronze/silver/gold tables/views in dbt and standardized company metrics used in Redshift queries
- Created and maintained SQL queries and Redash dashboards for stakeholders to use in their daily tasks; updated and maintained backend Redshift tables
- Responsible for Ops (Supply and Fulfillment) queries and data concerns; automated daily spreadsheet tasks of stakeholders which took hours doing manually; created all Central Hub and Growsari Warehouse Management System queries and dashboards
- Responsible for real-time product availability in customer apps and Facebook ads
- Involved in technical interviews of Data Analyst applicants
- Tech used: SQL (PostgreSQL, MySQL, & SQLite), Python, dbt, Airflow, Git (Gitlab), Redash, AWS (Redshift)

### **Data Scientist – LBC Express, Inc.** (NOV 2021 – MAY 2022)

- Automated bi-monthly availment information from initiatives and promos then presented in Power BI dashboards used by business units for performance reports
- Responsible for ad hoc reports and requests such as: forming the list of customers from a database fit within a given criteria, customer profiling via clustering, and data preprocessing/cleaning in general
- Tech used: Python, SQL (MySQL & SQL Server), Power BI, Databricks

## EDUCATION

### **University of the Philippines Los Baños**

B.S. in Civil Engineering (2012 – 2017)

## PERSONAL PROJECTS

### **Data Pipelines**

- Created ETL/ELT pipelines for several tasks; from different data sources (API, GoogleSheet, web), stored raw data in GCS or AWS S3 Buckets, applied needed transformations, and ingested data to GCS BigQuery (Python, SQL, Airflow, dbt, Google Cloud Platform, Amazon Web Services)

### **“Gen 1 Starters Pokedex”**

- Created an object detector Android mobile app. Can detect four Pokemon (Bulbasaur, Charmander, Squirtle, and Pikachu). The mobile app can locate objects correctly in ~0.1sec while the PC version is faster. Used Tensorflow 2 Object Detection API and trained a Single-Shot Detector model (SSD). (Python, Deep Learning, Computer Vision, Object Detection, Android Studio)