

DANG NGOC KHANH TRANG

Analytics Engineer | BI Developer | Data Analyst | Business Intelligence Analyst

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📍 District 8, Ho Chi Minh , Vietnam

TECH STACK

PROGRAMMING LANGUAGES: • BigQuery (*Advanced*) • Postgres SQL • My SQL • Snowflake | Python (*Advanced*) • Pandas • Numpy • FugueSQL • Matplotlib • Seaborn

VISUALISATION TOOLS: Looker Studio (*Advanced*) • Power BI (*Advanced*) • Metabase • Superset • Microsoft Excel (*Advanced*) • Google Sheets (*Advanced*)

DATA PIPELINES & ETL PROCESSING : Apache Airflow • DBT (*Advanced*)

DATA ENGINEERING: • Apache Spark • PySpark | Google Cloud Storage (GCS) • Amazon S3 | Docker • Terraform • Git

WEB SCRAPING: Selenium • Requests • BeautifulSoup

MACHINE LEARNING & STATISTICS: • Scikit-learn • K-Nearest Neighbors (KNN) • Logistic Regression • Linear Regression

SOFT SKILLS: Stakeholder Management Project Management

LANGUAGE PROFICIENCY: • English IELTS 7.0 (Speaking 6.5, Writing 6.5)

EXPERIENCE

Business Intelligence Analyst

Intrepid Group Asia

📅 03/2023 - Present 📍 2 years 4 months | HCM, Viet Nam

A leading digital commerce enabler supporting regional brands across Southeast Asia.

Dashboards and Reporting

- Delivered local and regional dashboards using **Looker Studio** and **Google Apps Script**, taking primary responsibility for supporting **Brand Management, Marketing, Customer Service and Finance** teams across **6 Southeast Asian countries**.
- Developed and automated a **scalable Claimback dashboard** using **Looker Studio** to monitor Compensation and Chargeback across e-commerce platforms (**Shopee, Lazada, TikTok, etc.**). Initially implemented for one brand, this solution was later **expanded** to encompass all brands in **Thailand and Indonesia**, **reducing time spent by 70%**.

Data Quality Improvements

- Identified and monitored data quality** by developing **test cases** (generic tests and custom SQL tests) integrated into an **automated alert system** using **SQL, Airflow, and Python** to proactively identify and notify teams of data inconsistencies, thus enhancing response times.
- Created a **Data Health Dashboard** in **Looker Studio** for **real-time monitoring** of data quality, consistency, and completeness, effectively reducing reporting errors.

Data Catalog and Cost Monitoring

- Designed an **automated Data Catalog and Dashboard Cost Monitoring system** using **Metadata, Looker Studio API, Python, and Scheduled Queries**, enabling **data lineage** tracking and improved discoverability, becoming a **widely used resource for the BI team**.

Data Pipeline Development

- Built and maintained **ETL (Extract, Transform, Load)** data pipelines in **BigQuery** to support cross-functional reporting.
- Designed and revamped data models and **data pipelines** within a **BigQuery-based data warehouse and Looker Studio**, improving performance and efficiency of reporting solutions, leading to a **90% reduction in costs**.

Workflow Standardization

- Standardized financial workflows by implementing **automated invoicing processes** using **SQL and Google Sheets**, yielding a **90% increase in accuracy and productivity**.
- Reduced manual workload by transforming **frequent ad-hoc requests into standardized reports** using **Looker Studio**, thereby enhancing operational efficiency.

Stakeholder Engagement

- Presented deliverables and conducted **data workshops and training sessions** for stakeholders, facilitating a better understanding and utilization of data.
- Skills:** **BigQuery, StarRocks, MySQL, Looker Studio, Python, Airflow, Metadata, Procedure, Google Apps Script, Data Modeling, Data Governance, Query Optimization**

EDUCATION

Business Administration

University of Economics Ho Chi Minh City

📅 2018 - 2022

- Statistics: 10/10
- Management Accounting: 9.7/10
- Corporate Finance: 8.7/10

GPA

8.4 / 10

PROJECTS

Data Engineer Project - NYC Taxi

🔗 https://github.com/elladang/NYC_Taxi_Rides_Pipeline

- Built an end-to-end ETL pipeline for NYC taxi trip data that ingests and processes data using **Python** and **Pandas**, stores it in **Google Cloud Storage** and **BigQuery**, transforms it with **DBT**, and automates daily workflows using **Docker**

DBT Project

🔗 https://github.com/elladang/E2E_DBT_Orchestration

- Developed an ETL pipeline using **DBT, Airflow**, and **BigQuery** with modular data models and data quality tests. Integrated real-time monitoring and **automated email alerts** for timely error detection.

ShopeeFood Data Scraping

🔗 https://github.com/elladang/Shopeefood_Web_Scraping

- Created a dynamic web scraper using **Selenium** to extract data from **ShopeeFood Vietnam**, and structured the raw data into analyzable formats using **Python**

Machine Learning - Customer Classification

🔗 https://github.com/elladang/KNN-Customer_Classification

- Classified customers with **K-Nearest Neighbors** in **Scikit-learn**, performed feature scaling and tuning, and evaluated using a **confusion matrix**.

Machine Learning- Credit Risk Prediction

🔗 https://github.com/elladang/Linear_Regression-Credit_Risk

- Applied **Linear Regression** to predict credit risk scores, cleaned data with **Pandas**, visualized correlations using **Seaborn**, and evaluated with **RMSE and R²**.

Machine Learning- Loan Assessment

🔗 https://github.com/elladang/Logistic_Regress-Loan_Asset

- Developed a **Logistic Regression model** for loan approval prediction, using **EDA** and **Scikit-learn** for metrics like **ROC, precision, and recall**.

AWARDS

Student of 5 good merits

Issued by UEH University

Consolation Prize - English Station 2021

English Academic Contest was held by APPLE CLUB UEH

UEH University Scholarship

Top 10 Recipient of Annual Scholarship for Excellent Academic Performance

Top 10 - National Olympic English Contest (City) 2021

Was held by HCM Communist Youth Union and Students' Association

EXPERIENCE

Data Analyst

Yes4All

11/2022 - 02/2023 Ho Chi Minh City, Vietnam

A global e-commerce company specializing in fitness equipment, primarily for the US market.

- Designed and maintained key **Power BI dashboards, analytical reports** to track business performance and support stakeholder decision-making.
- Delivered **daily, weekly, and monthly** performance reports, enabling proactive monitoring and business optimization.
- Partnered with the **Data Engineering team** to ensure data quality and maintain a single source of truth for reporting.
- Collaborated with business users to **support self-service analytics**, guiding them on best practices for creating and using BI datasets.
- Ability to understand business logic from **end-user** reports and procedures. Structure them as input to establish data transformation.
- Optimized data models and **DAX formulas** to ensure high performance and accuracy, ultimately enhancing data-driven decision-making across the organization
- Locate, identify and clean essential related data needed for **sales performance** tracking dashboard.
- Skills:** Oracle SQL, PostgreSQL, Power BI, DAX

COURSEWORK & CERTIFICATES

Advanced SQL

Hackerrank certificate

Data Engineering Zoomcamp

Datatalk

Web Scraping with Python - Beautiful Soup Crash

freeCodeCamp

ETL in Python and SQL

Linkedin

Data Engineering Projects with Python

BI Insight Inc

Data Blog

Vu Trinh