

Ida Bagus Gede Purwa Manik Adiputra

Data Engineer & Analyst | ETL, BI, Analytics

☎ 081287430970 @ ida.adiputra@outlook.com 🌐 <https://www.linkedin.com/in/idabaguspurwa/>
📍 Kabupaten Tangerang, Indonesia



SUMMARY

Final year Computer Science student specializing in data engineering, analytics, and business intelligence with experience building scalable ETL pipelines using Azure Databricks, Azure Synapse, and Apache Airflow. Proven track record of delivering solutions that improved operational efficiency by 20% at PT Bank Central Asia through comprehensive stakeholder analysis. Proficient in Python, SQL, PySpark, statistical analysis, and visualization tools (Power BI, Tableau) with demonstrated ability to transform complex datasets into actionable business insights and translate business requirements into technical solutions for executive decision making.

TECHNICAL SKILLS

- **Cloud & Big Data:** Azure Synapse, Azure Data Factory, Azure Databricks, Spark SQL
- **Data Engineering & Warehousing:** ETL / ELT Pipelines, Apache Airflow, Data Lake Architecture, SQL Server, MySQL, PostgreSQL, Snowflake
- **Programming & Analytics:** Python, Java, SQL, PySpark, Statistical Analysis, Data Modeling
- **Visualization & BI Tools:** Power BI, Tableau, Interactive Dashboards, KPI Reporting
- **Development Tools:** Git, JavaScript, HTML, CSS, React

PROFESSIONAL EXPERIENCE

Business Analyst Intern

PT Bank Central Asia Tbk

📅 02/2024 - 02/2025

- Analyzed business requirements through comprehensive stakeholder interviews to optimize operational processes and enhance decision making capabilities across remittance and banknotes divisions
- Designed and implemented solutions for internal website optimization that delivered measurable operational efficiency improvements of 20%
- Collaborated with cross functional teams including IT, operations, and business units to develop and align strategic business solutions with technical implementations

TECHNICAL PROJECTS

End to End E-Commerce Data Platform on Google Cloud

- Architected and deployed a scalable, end to end ELT data platform on GCP using Terraform for infrastructure as code, ensuring a fully automated and reproducible environment
- Orchestrated the entire data workflow using Cloud Composer (Airflow), automating the ingestion of raw data from GCS, transformation with dbt, and loading into a BigQuery data warehouse
- Implemented a modern data modeling workflow using dbt, building modular staging and mart tables with integrated data quality tests to ensure the integrity and reliability of the final analytics ready data
- Developed and delivered an interactive Looker Studio dashboard to provide key business insights into profitability, sales trends, and top performing products, completing the full data lifecycle

Stock Market Data Pipeline with Airflow & Analytics Dashboard

- Automated NVDA daily data ingestion from the Yahoo Finance API by engineering Airflow DAGs to manage task dependencies and ensure resilient, reliable execution
- Developed modular Python scripts to perform data transformation, including cleaning, validation, and calculating technical indicators like Moving Averages and RSI
- Utilized Docker and the Astronomer CLI to containerize all pipeline components and their dependencies, creating a reproducible and scalable environment for deployments
- Loaded the processed time series data into a PostgreSQL data mart and delivered interactive Metabase dashboards to visualize key metrics and performance trends

Formula1 Racing Analytics Platform

- Implemented robust ETL pipelines in Azure Databricks using PySpark and Spark SQL to process and aggregate F1 racing data from raw sources
- Established a scalable Delta Lakehouse architecture, applying dimensional modeling concepts to ensure data integrity with ACID transactions and enable advanced analytics
- Designed and delivered interactive Tableau dashboards providing in-depth analytics on driver performance, team performance, and lap time comparisons

EDUCATION

Bachelor of Computer Science

Bina Nusantara University

📅 09/2021 - Present

GPA

3.62 / 4.00

CERTIFICATIONS

Apache Airflow: The Hands-On Guide (Udemy)

Associate Data Engineer in Snowflake (DataCamp)

Azure Databricks & Spark for Data Engineers: Hands-on Project (Udemy)

GitHub Foundations (GitHub)

LANGUAGES

English

Proficient

Indonesia

Native