John Patrick Ombao

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EDUCATION

Bicol University Polangui — Polangui, Albay
Bachelor of Science in Computer Science — *Aug. 2020 – July 2024*

EXPERIENCE

Data Management Assistant - On-The-Job Training — June 2023 – Aug. 2023
Philippine Statistics Authority, Regional Statistical Services Office V — *Legazpi, Albay*
- Enhanced data accuracy and efficiency by utilizing Excel and Google Sheets for data handling and management.
- Improved quality management systems by designing effective process flows.
- Strengthened analytical capabilities through participation in training sessions on statistics and data analysis.
- Supported interdepartmental collaboration by providing data management assistance to various departments.

PROJECTS

Extract and Load Data | *Python, Airbyte, PosgreSQL, SQL Server, Snowflake* — June 20244 – July 2024
- Streamlined data integration by extracting from various formats into PostgreSQL.
- Enhanced database consistency by loading data from SQL Server into PostgreSQL.
- Automated data tasks using Airbyte, improving workflow efficiency.
- Configured Airbyte connectors for seamless data transfer between sources.

Transform Data | *dbt, SQL, Snowflake, Git, Github* — June 2024 – July 2024
- Optimized data staging with views, standardized types, and conditional logic for consistency.
- Designed star schema fact and dimension tables for efficient warehousing and analysis.
- Consolidated data into mart tables for enhanced accessibility and insights.
- Utilized dbt packages like codegen for efficient tables and columns extraction and dbt utils for surrogate key generation.

CI/CD | *Git, Github Actions* — June 2024 – July 2024
- Automated dbt builds for consistent model deployment.
- Implemented Github Actions for automatic dbt documentation generation and hosting on GitHub Pages.
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Improved team collaboration with accessible dbt documentation.

Data Visualization | *Looker Studio* — June 2024 – July 2024
- Enhanced sales insights with a detailed "Contribution of Each Store to Total Sales" chart.
- Boosted team performance through the "Top Performing Employees" chart.
- Improved customer retention strategies using "Customer Engagement Levels" analysis.
- Refined marketing strategies by identifying "Most Popular DVD Rental Locations."

Building ETL Pipelines | *SSIS, MS SQL Server* — Aug 2022 – Sept 2022
- Utilized SSIS data flow tasks to extract data from SQL Server, flat files, and APIs.
- Cleaned, standardized, and transformed data using SSIS transformations for consistency.
- Loaded transformed data into data warehouse staging and final tables.

TECHNICAL SKILLS

Languages: SQL , Python(pandas)
Databases: Snowflake, BigQuery, MS SQl Server, PostgreSQL
Data Engineering Tools: Git, Github, Google Cloud Platform, VS Code, Airbyte, VMware
Concepts: ETL/ELT, Dimensional Modeling, Data Warehousing, CI/CD, Data Integration, Data Quality Assurance

CERTIFICATE OF COMPLETION

APISEC UNIVERSITY: API Security Fundamentals
IBM: IT Support Fundamentals
CISCO: Network Support and Security
DataCamp: Intermediate SQL
Data Build Tool (DBT) Labs: Dbt Fundamentals