[Jonathan Hadamas]

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Skills

Languages : Python, SQL

Technologies : Airflow, Docker, dbt, Metabase, Terraform, Git, GCP, Azure, Jupyter, Pandas, Seaborn, Scikit-Learn, SQL Server, Power BI, Postgres, SSMS, Databricks, Azure DevOps

Projects

End-to-End Azure ETL Pipeline with Terraform

Tech Stacks: SQL Server, SSMS, Terraform, Azure, Power BI
- Extracted 56,000+ records from an on-premises SQL Server using Azure Data Factory
- Loaded raw data into Azure Data Lake Storage Gen2, ensuring scalable and centralized data storage
- Transformed the data using Databricks, implementing the Medallion Architecture (Bronze, Silver, Gold)
- Loaded the processed data into Azure Synapse, reducing complex query execution time by 50%
- Designed Power BI dashboards, enhancing reporting and reducing manual data processing by 60%
- Used Azure Key Vault to securely manage credentials and improving security compliance
- Provisioned core Azure resources with Terraform, reducing manual setup time

Integrated Databricks ETL Pipeline and Azure CI/CD Deployment

Tech Stacks: Databricks, Terraform, Azure, Power BI, Azure DevOps
- Setup Azure resources (Storage, Databricks, Key Vault) using Terraform for full reproducibility
- Implemented Auto Loader for incremental ingestion, handling 1000+ transaction/ batch with no data loss
- Designed a Medallion Architecture with raw (Bronze), cleaned (Silver), and star schema (Gold)
- Developed a Databricks ETL workflow to automatically execute all notebooks for data transformation
- Built real-time Power BI dashboards on Delta tables, reducing visualization latency by 60%
- Streamlined CI/CD deployment via Azure DevOps, cutting deployment time from hours to minutes

YouTube Analytics ELT Pipeline with Airflow, GCP and dbt

Tech Stacks: Docker, Airflow, Terraform, GCP, dbt, Metabase
- Extracted 9,000+ video records from MiawAug and Windah Basudara channels using YouTube Data API
- Stored the raw data in GCS for scalability and then loaded it into BigQuery for querying and processing
- Cleaned and transformed the raw data into a star schema using dbt, ensuring data quality
- Created a 3-page Metabase dashboard (Overview, Engagement, Revenue) for actionable insights
- Orchestrated the pipeline with Airflow in Docker, automating tasks and cutting manual effort by 50%
- Deployed GCP infrastructure (GCS, BigQuery) using Terraform for consistent deployments

Jakarta Housing Price Prediction ML App

Tech Stacks: Python, Pandas, Seaborn, Scikit-Learn, Streamlit
- Scraped 10,000+ property listings from 99.co, capturing key features such as land area, location, etc.
- Cleaned, transformed and removed outliers from raw data with Pandas, improving data quality by 30%
- Conducted EDA with Seaborn, identifying trends like land size correlating with price
- Built a Gradient Boosting Regressor model, achieving a 74.3% R^2 score and outperform Linear Reg by 15%
- Created a Streamlit ML app for instant property price predictions

Work Experience

PT. Propack Kreasi Mandiri – Human Resources Department

HR Data Analyst | July 2024 – Present
- Collected and analyzed HR data (e.g., demographics, salary, absenteeism) for insights on 200+ employees
- Modeled HR data in Power Query Editor and built DAX measures for headcount and retention calculations
- Developed a Power BI dashboard for headcount and retention metrics, improving reporting speed by 40%
- Monitored and identified retention patterns, recommending strategies that increased retention by 10%
- Collaborated with department leaders to design and execute workforce planning strategies

Education

Diponegoro University

Bachelor of Psychology | August 2016 - February 2021
- GPA: 3.56/4.0 *(Cum Laude Graduate)*

Dibimbing Academy

Data Analytics Bootcamp | January 2024 - June 2024
- Completed coursework on ETL pipelines, data modeling, statistical analysis, and dashboard creation
- Final project graded A-

Certifications

- Data Science and Analytics Bootcamp   : 06/2024
- Microsoft Certified: Power BI Data Analyst Associate   : 05/2024 – Present
- Microsoft Certified: Azure Data Engineer Associate   : 07/2024 – Present
- IELTS Academic [Overall Band 7.0]   : 05/2025 – Present