

KARHOMATUL FAQIH AL AMIN

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Bantul, Yogyakarta 55781 · Available for remote international contractor roles

ANALYTICS ENGINEER

Analytics engineering practitioner with hands-on experience building end-to-end data pipelines and analytical data models using Python, SQL, Airflow, dbt, and Snowflake.

Recently developed a production-style SaaS analytics pipeline simulating real-world data workflows, including ELT orchestration, layered dbt transformations, dimensional modeling, and automated data quality validation.

Previously worked for multiple international companies as a remote independent contractor in search evaluation and digital mapping data validation, developing strong attention to data accuracy, structured data workflows, and independent research skills.

Interested in building reliable analytics datasets that support data-driven decision making.

SKILLS

Analytics Engineering: ELT, dbt (models, tests, macros), Dimensional modeling, SCD Type 2

Data Warehousing: Snowflake, PostgreSQL

Programming: SQL, Python

Orchestration: Apache Airflow, DAG scheduling and monitoring

Infrastructure: Docker, Cloudflare R2, Linux CLI

Other: Git / Github, Data pipeline debugging, Technical documentation

ANALYTICS ENGINEERING PROJECTS

SaaS Analytics Data Pipeline

Python · Airflow · dbt · Snowflake · Docker · Cloudflare R2

Designed and implemented an end-to-end ELT pipeline simulating analytics workflows for a SaaS platform.

Key implementations:

- Built ingestion workflow loading raw data from object storage into Snowflake.
- Developed layered dbt transformations (staging → foundation → marts) following analytics engineering best practices.
- Designed dimensional models using the Kimball methodology including Slowly Changing Dimension Type 2.
- Implemented automated data quality checks using custom dbt tests with pipeline failure triggers.
- Orchestrated scheduled pipeline runs using Apache Airflow with monitoring and alert notifications.
- Containerized the full stack using Docker Compose to ensure reproducible development environments.

Repository: github.com/faqihalamin95/saas-simulation

Documentation: datadonut.netlify.app/projects/saas-analytics-data-pipeline

E-commerce Analytical Data Pipeline

Python · SQL · PostgreSQL · ETL · Star Schema

Designed and implemented a reproducible end-to-end ETL pipeline transforming raw e-commerce CSV datasets into a structured PostgreSQL analytical database.

Key implementations:

- Designed a layered pipeline architecture consisting of Raw → Staging → Foundation → Business Marts with clearly defined responsibilities.
- Implemented Kimball-style star schema modeling to create a canonical analytical data model.
- Built staging transformations for type casting, format standardization, and structural data cleaning.
- Enforced data quality validation at multiple pipeline stages, including early warning checks and blocking validation before downstream marts.
- Established a data contract protecting the foundation layer to ensure analytical correctness before business consumption.
- Implemented deterministic full-rebuild pipeline design to guarantee reproducibility, simplify debugging, and eliminate hidden state.

Repository: github.com/faqihalamin95/ecommerce-data-pipeline

Documentation: datadonut.netlify.app/projects/ecommerce-data-pipeline

EXPERIENCE

Independent Contractor

2024 - Present

Data Analyst - Mapping Data Quality | Peroptyx (Ireland)

Responsibilities:

- Evaluated digital mapping datasets for accuracy, completeness, and geographic consistency.
- Applied structured rating guidelines to validate large-scale mapping data.
- Identified data inconsistencies and quality issues within location datasets.

Independent Contractor

2016 - Present

Search Engine Evaluator | Welocalize (USA) - Appen (Australia) - Leapforce (USA)

Responsibilities:

- Evaluated search engine results, web pages, and mapping data using structured rating guidelines.
 - Labeled and validated datasets used in the training and evaluation of search ranking and AI systems.
 - Identified inconsistencies and quality issues in large-scale datasets through guideline-based evaluation.
 - Worked remotely as an independent contractor across multiple international AI data vendors while maintaining consistent quality standards.
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EDUCATION

Bachelor of Data Science

Indonesia Open University

2025 - Present