

Nadhif Fathoni Hafiz

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Professional Experience

Krom Bank / Indonesian digital banking platform. Subsidiary of the Kredivo Group Jakarta, Indonesia
Data Engineer Oct 2025 – current

- Refactored 120+ generated ETL scripts into config-driven modules across multiple data sources, eliminating ~15,000 lines of code (~92% reduction) and reducing new source onboarding to a single YAML configuration change with zero production downtime.
- Engineered a weighted Airflow DAG severity framework for 500+ DAGs across customer impact, regulatory exposure, blast radius, and freshness; established Sev1-Sev4 SLAs and PagerDuty/Slack routing, reducing critical incident triage time by ~45%.
- Conduct ClickHouse Cloud PoC for Fraud Detection System (FDS), demonstrating sub-second query latency and ~60% projected storage cost reduction; optimized performance through sorting keys, sparse primary indexes, and compression codecs.
- Designed and implemented a config-driven CDC streaming architecture using Confluent Kafka Connect. Optimized existing streaming ingestions from source DB to DWH (BigQuery), resulted in tiered Kafka partitions, connector tasks, and batch sizes.
- Created dashboards and visualization for existing internal services (GCP, Airflow, DBT), providing data related to query performance, cost, and usage to support the Analytics Engineer team.
- Monitored and maintained existing Data Platform (GCP, Confluent) through on-call schedules, ensuring services run normally without issues.

DANA / Leading digital wallet and fintech platform in Indonesia. Jakarta, Indonesia
Data Engineer Intern Jul 2024 – Oct 2025

- Developed and maintained 50+ production-grade data pipelines using Apache Airflow and Alibaba MaxCompute to support business operations, analytics, and reporting use cases.
- Built an Airflow-based monitoring system for MaxCompute CU, IOPS, and job-cost metrics with real-time alerts and historical usage logs, improving incident response by 60% and reducing unexpected compute costs by 15%.
- Optimized high-impact data mart tables serving ~80% of business needs by supporting a data remodeling initiative from One Big Table design toward Kimball-style dimensional modeling.
- Worked with cross-functional teams to improve data infrastructure, documented best practices, and created technical guidelines for efficient data processing.

Telkomsel / The largest digital telecommunications operator in Indonesia Jakarta, Indonesia
Data Engineer Intern Feb 2024 – Jun 2024

- Developed an end-to-end data pipeline for the Radio Transport Power Engineering division, orchestrating MySQL to data warehouse workflows with Apache Airflow.
- Improved planning and tracking efficiency by 80% through automated data delivery, centralized access, and faster refresh cycles for Power BI dashboards, Telegram bots, and internal reporting tools.

Education

Binus University
Bachelor of Computer Science, GPA: 3.66/4.00 Sep 2021 - Sep 2025

Certifications

Data Engineer Associate - DataCamp Aug 2025
Credential ID: <https://www.datacamp.com/certificate/DEA0018289693181>

Astronomer Certification for Apache Airflow 3 Fundamentals Jul 2025
Credential ID: <https://www.credly.com/badges/5a995bd9-96a2-4a3a-b855-efe01cc14a37>

Astronomer Certification DAG Authoring for Apache Airflow 2 Jun 2025
Credential ID: <https://www.credly.com/go/Hj4yIVMz>

Projects

Formula 1 Data Pipeline - Azure Databricks, Azure Data Factory, Spark, ADLS

- Designed and orchestrated a batch pipeline to ingest, transform, and analyze Formula 1 racing data, storing curated outputs in Azure Data Lake Storage for downstream analytics. [GitHub](#)

Skills

Python, SQL, GCP, Alibaba Cloud, Confluent, BigQuery, MaxCompute, Airflow, DBT, Git, PostgreSQL, Docker, Kubernetes, Bash, Data Engineering, Data Analytics