THALIBAR RIFQI | Data Engineer | Surabaya, Indonesia (UTC+7)
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Data Engineer specialized in High-Performance Data Warehousing using ClickHouse and PostgreSQL. Proficient in orchestrating reliable ETL pipelines with dbt and Apache Airflow to support ERP systems and strategic analytics. With prior professional experience in remote work settings, I am self-disciplined, skilled in asynchronous communication, and ready to contribute effectively to distributed engineering teams.

EDUCATION
Politeknik Elektronika Negeri Surabaya
Bachelor of Engineering, Computer Engineering
June 2017 – August 2021 (GPA 3.52)

WORK EXPERIENCE
PT. Behaestex
Gresik, East Java (Jul 2023 – Present)
Full-time Data Engineer
- Orchestrated 20+ automated DAGs using Apache Airflow and dbt, processing hourly batch data into ClickHouse to ensure high-availability analytics for stakeholders.
- Engineered a high-performance Data Warehouse using ClickHouse, integrating high-volume transaction tables (exceeding 1M+ rows) from a PostgreSQL-based custom ERP to support rapid, detailed inventory and sales analysis.
- Modernized the reporting infrastructure by replacing manual Excel exports with automated dbt data models, enabling unrestricted historical trend analysis previously limited by ERP constraints.
- Developed and maintained interactive dashboards in Metabase, providing instant, self-service reporting that spans from Executive Summary views for the BoD to detailed operational and departmental progress monitoring.

Viberate
Remote (Nov 2021 – Apr 2022)
Part-time Data Quality Operator
- Successfully performed self-managed data quality operations for a distributed international team (Slovenia), ensuring all tasks were completed through coordination via Discord and shared Spreadsheets.
- Maintained high data integrity across the music database by eliminating duplicates, broken links, and inaccuracies, consistently achieving data accuracy above 90% during the assignment period.

PT. Jatim Autocomp Indonesia
Pasuruan, East Java (Jan 2020 – Apr 2020)
Internship Software Engineer
- Digitized paper-based reporting systems into web and mobile platforms, significantly improving data accessibility and report generation speed.
- Developed a real-time monitoring system with insightful dashboards, empowering managers to track production problems and make data-driven decisions.

TECHNICAL SKILLS
- **Data Orchestration & Modeling:** Apache Airflow, dbt, Data Modeling (Kimball), ETL/ELT Pipelines

- **Databases & Data Warehousing:** ClickHouse (High-Performance), PostgreSQL, MySQL, Data Warehousing (CIF)
- **Programming & Scripting:** Python, SQL (Advanced), Linux
- **Containerization & Version Control:** Docker, Git
- **Analytics & Business Intelligence:** Metabase, Power BI
- **Remote & Collaboration Tools:** Discord, Spreadsheets (Task Mgt), Slack, ClickUp

PUBLICATIONS
"Fuzzy Social Force Model for Healthcare Robot Navigation and Obstacle Avoidance," 2021 International Electronics Symposium (IES) - Hybrid at Sheraton Hotel Surabaya

AWARDS AND VOLUNTEERING
- Best Paper Award, 23rd International Electronics Symposium - 2021
- 2nd Place in IoT Competition MAGE 4, Institut Teknologi Sepuluh Nopember - 2018
- Chief Committee in Financial Technology and Blockchain Seminar, Student Union of Computer Engineering and Indodax - 2019
- Chief Committee in Charity Program for Medokan Semampir Village Surabaya, Student Club for Islamic and Spiritual Activities PENS - 2018