

Akhmad Thalibar Rifqi

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EDUCATION

Politeknik Elektronika Negeri Surabaya

Bachelor of Engineering, Computer Engineering

June 2017 – August 2021 (GPA 3.52)

WORK EXPERIENCE

PT. Behaestex

Gresik, East Java

Full-time Data Engineer

Jul 2023 – Present

- Developed a data pipeline leveraging Apache Airflow to automate the calculation of Equipment Overall Effectiveness (OEE). This involved integrating data from various sources, processing it in batch, and generating actionable insights to optimize equipment performance.
- Constructed a dynamic dashboard utilizing Metabase for continuous monitoring of main product accessories inventory levels within the warehouse. This dashboard provided real-time visibility into stock levels, enabling timely decision-making and proactive inventory management strategies.
- Developed and deployed a centralized data warehouse solution, utilizing dbt for efficient data transformation and leveraging ClickHouse for analytical reporting. The solution unified data from diverse sources including ERP, Web Application, and Foxpro database. By standardizing data formats and centralizing storage, it enabled seamless data analysis, reporting, and scalability for future requirements.

Viberate

Remote

Part-time Data Entry

Nov 2021 – Apr 2022

- Created a new artist page within the music database and conducted a thorough review of existing artist data to eliminate broken links, duplicates, and inaccuracies.

PT. Jatim Autocomp Indonesia

Pasuruan, East Java

Internship Software Engineer

Jan 2020 – Apr 2020

- Upgraded from paper-based to web and Android applications for problem reporting and records, leveraging technologies like HTML, CSS, and JavaScript for the web interface and PHP for server-side development.
- Implemented real-time messaging features within web and Android applications to enhance communication between the production and technician teams, enabling faster issue resolution and reducing downtime.
- Implemented monitoring system within the applications, enabling real-time tracking of problem handling tasks and empowering managers with insightful dashboards and reporting features to make data-driven decisions, optimize resource allocation, and ensure timely issue resolution.

TECHNICAL SKILLS

BI Tools: PowerBI, Metabase

Containerization: Docker

Database Design: Normalized and Dimensional Modeling

Database: PostgreSQL, MySQL, Clickhouse

ETL Tools: Airbyte, Airflow, dbt

Scripting and Programming: Python, SQL

Version Control: GitLab

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