

# 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 (Jul 2023 – Present)

#### Full-time Data Engineer

- Developed data pipelines using Apache Airflow to orchestrate complex workflows across multiple databases
- Implemented ClickHouse as a data warehouse for Online Analytical Processing (OLAP) to enhance query performance on large datasets
- Used dbt for data transformation to convert raw data into structured formats supporting data analysis and reporting
- Optimized the data update process by up to 73% through the implementation of incremental updates with dbt
- Enhanced data infrastructure by implementing Change Data Capture (CDC) using Apache Kafka enabling real-time data streaming
- Built dashboards using Metabase to visualize key metrics and facilitate data-driven decision-making across the organization

### Viberate

Remote (Nov 2021 – Apr 2022)

#### Part-time Data Entry

- 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 (Jan 2020 – Apr 2020)

#### Internship Software Engineer

- Upgraded from paper based to web and android apps for problem reporting
- Implemented push notification features within web and android applications to enhance communication between the production and technician teams, enabling faster issue resolution and reducing downtime
- Developed a monitoring system for real-time problem tracking and empowering managers with insightful dashboards to make data-driven decisions

## TECHNICAL SKILLS

Metabase, Linux Ubuntu, Docker, PostgreSQL, MySQL, Clickhouse, Apache Kafka, Apache Airflow, dbt, Python, SQL, GitLab, Google Cloud Platform

## **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