

# Tran Quoc Trung

Data Engineer/Cloud Engineer Fresher

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## Education

VNU-HCM University of Science

Oct 2020 - Apr 2024

Bachelor's degree Computer Science

GPA: 3.56/4.0

## Skills

Programming Python, SQL, C++

Tools Apache Hadoop, Spark, Airflow, Kafka, Power BI, Docker, Git

DBMS MySQL, MSSQL, MongoDB Atlas (Basic)

NoSQL MongoDB, Cassandra

Cloud Microsoft Azure

Languages Proficient in English reading and communication in a work environment

## Work Experience

Inter-K JSC - Data Analyst Intern | Full-time

Nov 2023 - Jan 2024

- Converted approximately 100 SAP crystal reports into paginated reports using PowerBI Report Builder.
- Provided guidance to counterparts on the utilization of the PowerBI Report Builder.
- Technologies: **PowerBI Report Builder, Crystal Reports, DAX, Gitlab**

## Technical Projects

Movies ETL Pipeline (github.com/TrungTechh/IMDBMovieETL)

May 2024 - Jun 2024

*This project is focused on utilizing Azure technologies to establish a film scraping pipeline from the IMDB website, preparing the data for subsequent analysis.*

- Created an auto-scaling crawler using Azure Function, deployed on Azure App Service.
- Established a Spark streaming job in Azure Databricks for proficient and automated data processing.
- Provided insightful visualizations and actionable insights on movie industry trends utilizing PowerBI.
- Technologies: **Azure Function, Azure Databricks, Azure DLS, Spark Streaming, PowerBI**
- Demo video: <https://www.youtube.com/watch?v=yB6MsZQX9TE>

Bidata ETL Pipeline (github.com/TrungTechh/airflow-etl)

Apr 2024 - May 2024

*Built a pipeline for processing and storing large datasets with robust data modeling.*

- Processed 30GB of raw data using Spark across multiple storage layers.
- Implemented data design patterns and data modeling to incrementally improve data structure and quality.
- Technologies: **Spark, Airflow, Hive, HDFS**

Streaming Data Pipeline (github.com/TrungTechh/Weather-and-Daily-Life)

Mar 2024 - Apr 2024

*Developing an application that can perform real-time analysis of the weather conditions, service quality, and traffic status in Ho Chi Minh City.*

- Used YOLOv8 to detect 5+ vehicle types in traffic footage from Ho Chi Minh City's official site.
- Engineered solution to efficiently process real-time traffic data using Kafka, which increased data ingestion speed by 20%.
- Implemented data visualization dashboards in Power BI to present actionable insights to stakeholders.
- Technologies: **Python, Kafka, Power BI, Spark, Cassandra, Airflow, Flask, Docker**

## Certifications

TOEIC (Listening and Reading): **815**

DP-900: **Azure Data Fundamentals**

## Activities & Awards

SAB in HCMUS - Member

Aug 2021 - Jul 2024

- Hosting extracurricular activities for students and creating non-profit business projects.

Encouragement Study Scholarship

1st-year, 2nd-year, 3rd-year

Dien Luc Scholarship

Apr - 2022