

# LUONG NGUYEN YEN NHI

## Data Engineer

Ho Chi Minh City • (+84) 378 282 298 • [lnyn.netlify.app](https://lnyn.netlify.app) • [ynnhi1508@gmail.com](mailto:ynnhi1508@gmail.com)

### CAREER OBJECTIVE

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Aspiring Data Engineer seeking a fresher or internship role to grow professionally and contribute to the success of the team and company through dedicated efforts and impactful data-driven solutions.

- **Short-term Goal:** Secure a Data Engineer internship to gain practical experience and enhance my technical skills.
- **Long-term Goal:** Become a Senior Data Engineer within the next five years.

### TECHNICAL SKILLS

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- **Programming:** Python
- **Database:** PostgreSQL, MySQL
- **Big Data Tools:** Spark, Kafka
- **Orchestration:** Airflow
- **Cloud & Containerization:** Azure, Docker

### PROJECTS

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**Real-Time NYC Trip Analytics** | Python, Postgres, Kafka, Spark, PowerBI, Docker  
August 2024

Source: [Github](#)

- Goal: Build a real-time data pipeline to analyze NYC taxi trips, flag anomalies, and gain insights.
- Deployed Dockerized Kafka for data streaming and Spark for real-time transformation and analytics.
- Calculated average hourly revenue and detected trip anomalies (e.g., short trips, fare mismatches).
- Stored processed data in PostgreSQL and visualized insights via an interactive PowerBI dashboard.
- Result: Improved trip monitoring and anomaly detection, providing actionable insights for NYC transport services.

**Automated Job Data Pipeline** | Python, Playwright, Postgres, Airflow  
October 2024

Source: [Github](#)

- Goal: Automate job data scraping and streamline storage with daily updates for better job monitoring.
- Scraped job data from TOPCV using Requests and Playwright.
- Cleaned and stored the data in PostgreSQL, generating a "due date" field based on the application deadline.
- Automated updates for the "remaining time to apply" field daily (e.g., "24 days left" to "23 days left").
- Orchestrated the entire pipeline (scraping, cleaning, and storage) with Airflow for seamless automation.
- Result: Streamlined job data tracking, improving real-time job monitoring and reducing manual updates.

### EDUCATION

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**Sai Gon University**  
*Bachelor of English Linguistic*  
GPA: 3.09

Ho Chi Minh City  
August 2020

