

# LUONG NGUYEN YEN NHI

## Data Engineer

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## 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.

## TECHNICAL SKILLS

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Python, PostgreSQL, MySQL, Spark, Kafka, Airflow, Docker, Azure

## PROJECTS

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### Real-Time NYC Trip Analytics | Python, Postgres, Kafka, Spark, PowerBI, Docker

Source: [Github](#)

August 2024

- Implemented Docker to run Kafka and Kafka UI.
- Employed Spark to transform and compute streaming data from Kafka, performing real-time analytics.
- Calculated average hourly revenue, identified trip discrepancies between boroughs, and detected trips with unusual durations (e.g., under 2 minutes) or abnormal fare amounts (e.g., total amount not matching the sum of individual fees).
- Transferred data and computations to PostgreSQL for monitoring.
- Visualized and analyzed trip trend insights more easily with a PowerBI dashboard.

### Web Scrapping Pipeline | Python, Playwright, Postgres, Airflow

Source: [Github](#)

October 2024

- Used Requests and Playwright to scrape data from TOPCV.
- Cleaned the data and stored it in Postgres.
- Generated a "due date" field, representing the application deadline based on the remaining time to apply from the scraped data.
- Developed a procedure to update the "remaining time to apply" daily, e.g., from "24 days left to apply" today to "23 days left to apply" tomorrow.
- Utilized Airflow to orchestrate the data scraping, cleaning, and storage processes.

## EDUCATION

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### Sai Gon University

Bachelor of English Linguistic

Ho Chi Minh City

August 2020