

# LUONG NGUYEN YEN NHI

[github.com/lnynhi02](https://github.com/lnynhi02)

## Skills

---

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

## Projects

---

### New York Trips Stream Processing (Kafka, Spark, Postgres, PowerBI, Docker)

- 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, Postgres, Airflow)

- 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

---

**Sai Gon University**

*Bachelor of English Linguistic*

Ho Chi Minh City

Aug, 2020