Phuong Nguyen Huu

Data Engineer

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SUMMARY

I am a Data Engineer with 4+ years of hands-on experience, I have honed my skills in delivering high-quality ETL jobs and proficiently designing and implementing data lakes and warehouses.

My approach is marked by a goal-oriented mindset, complemented by effective communication with both internal and external teams. I possess advanced data engineering skills, ensuring the seamless flow and organization of complex datasets.

Consistency and resilience define my work ethic, allowing me to navigate challenges with a problem-solving mindset. I prioritize empathy in my interactions with both end-users and colleagues, fostering a collaborative environment.

SKILLS

Programing Languages: Python, Java, Bashscript, SQL.
Opensource tools: Apache Airflow, Apache Spark, Apache Flink, Apache Superset, Apache Hive.
Libraries: Pandas, FastAPI.
Database, Data warehouse: HDFS, PostgreSQL, MongoDB.
Developer Tools: Git, Docker
Other skills: Kubernetes, Helm, Docker.
Cloud services: Amazon Web Services.
Communication languages: Vietnamese, English.
Domain knowledge: OTT (worked); Business, Finance (interest).

EXPERIENCE

Data Engineer — Dec 2020 – Sep 2023

VieON - Full-time — *Ho Chi Minh City, Viet Nam*

- Development features:
  * Loyalty: Processing user tracking data; API with internal and 3rd party
  * Promotion API: Prepare Segment user data and serve to Back-end API.
- Design Data warehouse architecture: Reliable, readable, and high-performance.
- Mainly support "Daily Report" early in the day (before 8:00 AM).
- Deliver high-quality ETL jobs.
- Effective collaboration with external teams: SRE, Back-end, Front-end, Content, Marketing, and Product to solve issues and support requirements data.
- Monitor Data-team services:
  * Recommendation system (API, Cron-job).
  * Data APIs: Promotion API, User segment API.
  * Open-source services: Orchestration (Airflow), Warehouse (HDFS), Database (PostgreSQL), Processing engine (Spark).

Data Engineer — Sep 2019 – Dec 2020

Dinovative - Full-time — *Ho Chi Minh City, Viet Nam*

- Development: core engine connects multiple data sources and data sinks.
- Make efficient decisions about which feature has been built.
- Effective collaboration with Stack-holder, Product manager, Design, Developer, and Dev-Ops.

Student Scholarship and Internship — Jul 2019 – Oct 2019

CoderSchool, Facebook, MoMo - Part-time — *Ho Chi Minh City, Viet Nam*

- Product: An application food recommend: "Hôm nay ăn gì?" based on MoMo's merchant data.
- Machine learning foundation: Classification and regression algorithms; Optimization, ...
- Framework: Pandas, Scikit learn.
- Mindset: analytical with basic statistics and probability.

Data Engineer | Jun 2018 – May 2019

FTP Telecom - Intern full-time | *Ho Chi Minh City, Viet Nam*

- Learning foundation about Data Engineering: Using Apache Spark, Apache Hadoop.
- Programing language: Python, Scala.
- Contribute with colleague to manage data platform and prepare data to develop recommendation system.

EDUCATION

Ho Chi Minh University of Technology - Bach Khoa TP.HCM | Ho Chi Minh City, Viet Nam

Engineer's Degree, Computer Science | *2014 - 2020*