



DUY ANH HOANG

23/02/1996

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Being a data engineer, I have a dedication to master all the tools required to deliver top quality work, as well as upgrading myself with new knowledge in this constantly changing technology world. My work has received validation, both from the satisfied clients and the certifications I have acquired throughout the years.

EXPERIENCE

Data Engineer 11/2024 – 04/2025 | Sun Group

Azure Data Factory, SQL Server, Power BI

- Build and orchestrate pipelines to ingest data from multiple sources to create financial reports using Azure Data Factory.
- Build BI dashboards with Power BI.

Data Engineer/Data Scientist 04/2024 – 11/2024 | Nashtech Vietnam

Azure Databricks, SQL Server, Python

- Migrate old data warehouse from SQL Servers to a lakehouse on Databricks for an insurance company, involving ingesting data from a cleansed layer to build a business, fact and dimension layers.
- Perform unit testing for each migrated process and table with Visual Studio.
- Work with clients to identify potential performance and code quality improvement and implement them.
- Support team members with code reviews.
- Work with Azure DevOps.

Data Engineer/Data Scientist 11/2022 – 04/2024 | Nashtech Vietnam

BigQuery, Airflow, PL/SQL

- Migrate old ETLs from Linux server to Google Cloud Composer (Airflow), written in Python.
- Perform data analysis to investigate emerging bugs in existing reports.
- Update and maintain data in an Oracle database as requested.
- Write Python scripts to automate data extraction for customers.
- Perform ad-hoc data extraction on BigQuery based on customers' requests.
- Gain some exposure to MongoDB, PostgreSQL and Dataproc.
- Version control using Git.

Database Engineer 09/2021 – 10/2022 | Nashtech Vietnam

SQL Server, SSIS, SSRS, batch script

- Develop and maintain an account management data warehouse for an asset management firm.
- Generate reports for different user requirements using SQL Server and SSRS.
- Build and automate ETL processes to ensure smooth data flow through the system using SSIS.
- Build documentation.

Data Scientist 09/2020 - 09/2021 | FPT Software

Python, Databricks, Algorithms

- Research and implement a web-app that helps optimize warehouse stocking using Linear Integer Programming.
- Research and implement a tool to optimize usable trunk space for cars using Graph Theory.
- Build a web-app for internal human resource management, including designing and developing multi-page website.
- Build data analytics dashboard to visualize collected data using PowerBI.
- Analyze Vietnamese stock market, including crawling data from the internet with Selenium and Pandas.

- Building models with scikit-learn and Tensortrade libraries as an attempt to predict price fluctuation.
- Discuss with the shareholders to perfect the model as the project progressed.

Freelance Developer 06/2021 – 07/2021

- Build an automating tools for Telegram, including auto-add people to groups, auto-send messages using Telegram's public API.
- Package code, build a GUI using PyQt5.
- Build logging processes to aid UAT/ customer support.

EDUCATION

Bachelor of Environmental Engineering | Metropolia UAS, Finland

GPA: 3.6/5

- Learn basic data analysis procedures such as quantitative analysis and ARIMA using R language.

SKILLS, TOOLS & CERTIFICATIONS

- *Programming languages:* Python, SQL.
- *Technology & Framework:* Google Cloud Platform, Azure Cloud.
- *Languages:* Vietnamese (native), English (IELTS 8.0).
- *Others:* Researching, Public Speaking, Teamworking, Critical Thinking.
- *Certifications:* Google Cloud Professional Data Engineer, Azure Data Engineer Associate(DP-203).