Durong Thao

Magento developer & Data Engineer

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21 Le Van Luong, Thanh Xuan, Ha Noi, VN

OBJECTIVE

Full stack building, maintaining, optimizing data pipelines, doing analytics, machine learning, and business intelligence.

EXPERIENCE/SKILLS

- Familiar with Python, and data processing libraries like Pandas/Numpy .
- Good problem-solving skills and good understanding of data structure/ algorithms.
- · Comfortable with Linux/Ubuntu environment.
- Web development(PHP, CSS, Javascript) experience.
- · Proficient in Mysql
 - CRUD Operations
 - Filtering Data(WHERE, DISTINCT, BETWEEN, IN, LIKE, LIMIT, ORDER BY)
 - Sorting & Aggregation(GROUP BY, HAVING, COUNT(), SUM(), AVG(), MIN(), MAX())
 - Joins(INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL JOIN, SELF JOIN, CROSS JOIN)
 - Set Operations(UNION, UNION ALL, INTERSECT, EXCEPT)
 - Subquery(EXISTS, NOT EXISTS, ANY, ALL)
 - Window Functions(ROW_NUMBER(), RANK(), DENSE_RANK(), LAG(), LEAD(), FIRST_VALUE(), LAST_VALUE())
 - Stored Procedures & Triggers.
- · Have knowledged with AirFlow
 - ∘ operators(Bash, Python)
 - hooks(MySqlHook)
- Have knowledged with Spark
 - · Spark read csv, mysql, bigquery, parquet
- Familiar with Git(gitlab, github, bitbucket)
- Familiar with workflow (Agile, Kanba, Waterfall)
- Experienced with AWS cloud(EC2, S3, EBS)
- Data Modeling & Optimization(Star Schema, eav modeling & flat modeling)
- · Basic knowledged & experienced with Google Cloud (BigQuery, Sheet API, Login API, Map API, Youtube API, Gmail API)
- Experienced with ETL (Extract/Tranform/Load) by Python (using Perfect library)
- Familiar with environments: Nginx, PHP, Mysql, php-fpm, Redis, Varnish, Sphinx Search, Elasticsearch, Docker, Git, RabbitMQ.
- Basic knowledged with NoSQL (MongoDB)
- · Basic knowledged with PostgreSQL.
- Have knowledged with Google BigQuery for Data Warehouse.
 - Import data from CSV.
 - Connect to Google Sheet.
 - Extracting, transform, modeling, loading data using DBT.
- Basic knowledged Business Insights Visualizations with Google Looker Studio.
- Basic knowledged Business Insights Visualizations with PowerBI.
- Experienced with Business Insights Visualizations by using Python seaborn/matplotlib/Plotly.
 - Visualizing statistical relationships (scatter plots, line plots)
 - Visualizing distributions (histograms, bar chart, pie chart, radar chart, bubble chart)
 - Visualizing categorical data(box plot, heatmap,)
- Experienced with vizualizing data by other libraries plotly, bokeh, Material UI or Magento Reports

WORKING HISTORY

Magento & Data Frelacer

09/2024 - present

MAGENTO BACKEND DEVELOPER & DATA ENGINER

- ETL data from Magento online shop to data warehouse (Google BigQuery).
- ETL data from Magento online shop to lakehouse in-permise(backup database every night, extract data from customer & sales order to Posgress database).
- Use DBT for seeding csv files to Google BigQuery.
- Build a custom AI chatbot for Magento website.
 - OpenAl API
 - LLMs (langChain)
 - · Chomadb
 - Sqlite3
- · Build GraphQLs API for magento 2 website
- Build SMS, OTP module for Magento 2, apply for new customer, login customer, refund or cancel order.

Sefl-Employeed

01/2024 - present

AIAI coffee

01/2022 - 08/2022

QUANTITATIVE TRADER

• Develop, backtest, golive and maintance quant trading strategies.

QUANTITATIVE PYTHON DEVELOPER

- Crawling stock history data from SSI & VNDirect using python. Then saving to csv file or database.
- · Researching quantitative strategies.
- R&D technical indicators for day trading, swing strading, monthly trading.
- Write functions for technical indicators: SMA, Bolinger Band, IBS, EMA, MACD, ...
- Analytics data & visualize data using matpllotlab & seaborn
- Develop & backtest new strategy.
- Call API from broker to create, update, delete new orders & deals.

Magestore & some others

2012 - 2024

MAGENTO SOFTWARE ENGINEER

- Building Magento 2 extensions, maintain and support.
- Build Magento 2 website and custommize as well as required from shop owners.
- Using git (gitlab, github, bitbucket) for storing, maintance & deploying code.
- Using database (Mysql) for storing website data (customers, orders, products, landing pages, reports, etc..)
- Understaing OPP, SOLID in PHP.

TECH STACKS

- Python
- · Pandas, Numpy
- Maplotlibb, Searbon, Google coblab, jupyter notebook
- · beatyfulSoup, scrapy
- · backtestingpy, pandas-ta
- pyspark, airflow, dbt.

EDUCATION

08/2008 - 06/2012

THE VNU UNIVERSITY OF ENGINEERING AND TECHNOLOGY (VNU-UET)

Bachelor

Major: Information Techonogy

Machine Learning

Xgboost, NEAT, sklearn, LSTM, Kmean Clustering, Open AI,

INTERESTS

LangChain, HuggingFace.

MySQL

- · Create, drop databases.
- · Backing up and restoring databbase.
- Select, Insert, Update, Delete, Join, Group, Alter, procedure, view, temp table.

PHP

• Magento, Wordpress, Codeigniter, Zend framework.

Javascript

· React JS, Knockout JS, Require JS, Jquery

Cloud

- · AWS EC2
- · AWS S3(buckets)
- AWS EBS
- · Google BigQuery

Others

 Apache, Nginx, Vanish cache, Redis, Elasticsearch, RabitMQ

- Playing sports (running, swimming, cycling, football, ...)
- · Listening music
- · Playing games
- · Watching movies
- Travelling
- Trekking
- · Reading books.
- Playing with my son.

ADDITIONAL INFORMATION

Github profile:

https://github.com/zuongthaotn

LinkedIn profile:

https://www.linkedin.com/in/zuong-thao/

CERTIFICATIONS

Hacker ranks (SQL, Python, API)

https://www.hackerrank.com/certificates/e29ebbf4f40d

PROJECTS

2024 - 2025

STOCK MARKET DATA PIPELINE

https://github.com/zuongthaotn/vn-stock-data https://github.com/zuongthaotn/phantich-chungkhoan

Requirements:

- · Crawl(Extract) stock data(derivative) from SSI, Vndirect, DNSE, VPSecurity
- Transform data by using tecnhnical indicators
- · Analytics data for find insight and signal.

Tech stacks:

- · ETL data: python
- Processing: pandas, pandas-ta, numpy
- · Visualization: jupyter notebook
- · Storage: csv

2024 - 2025

E-COMMERCE ANALYTICS PIPELINE

https://github.com/zuongthaotn/dae-test-projects/tree/master/Airflow-for-Magento2

Requirements:

Backup database daily and storage in datalake.

- ETL data from online store to data warehouse(daily)
- Analytics data for analysis sales performance & predict revenue

Tech stacks:

- ETL data: Airflow, python
- Storage: MySQL, GoogleBigQuery
- Processing: Apache Spark, PySpark
- Visualization: powerBI, jupyter notebook
- · Machine Learning: sklearn, xgboost.

2024 - 2025

MOVIE RECOMMENDATION SYSTEM

https://github.com/zuongthaotn/dae-test-projects/tree/master/Movie-Recomendation-System

Requirements:

- · Collect movie data from IMDB
- Design database for saving movie information
- write ETL pipeline for automating workflow.
- · Building recommendation systems

Tech stacks:

Data Ingestion: IMDB API, pythonProcessing: Apache Spark, pandas

Storage: MongoDBVisualization: powerBI