Tran Duy Quang

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GitHub: quang9-12ok/python-data | QuangTran-deptrai/flood_risk

PROFESSIONAL SUMMARY

Aspiring Data Engineer with hands-on experience in building and optimizing ETL pipelines, data analysis, and database management. Proficient in Python, SQL, and big data technologies such as Apache Spark, Airflow, and AWS. Demonstrated ability to automate data workflows, ensure data integrity, and deliver actionable insights through advanced analytics and visualization. Eager to apply technical skills and a strong learning mindset to contribute to impactful data projects in a dynamic organization.

EDUCATION

Gia Đinh University
Bachelor of Software Engineering
09/2022 – 09/2025 (Expected Graduation)
GPA: 8.07 / 10 (3.21 / 4.0)

- Completed all coursework; degree expected September 2025.

WORK EXPERIENCE

Freelance Data

06/2025 – Present

- Designed and implemented robust web scraping scripts using BeautifulSoup, Scrapy, and Selenium to collect large-scale unstructured data from diverse online sources.
- Optimized web scraping processes through request throttling and error handling, significantly improving data collection efficiency.
- Built and automated ETL pipelines in Python for data cleaning, transformation, and loading into structured databases (MySQL/PostgreSQL).

Data Analyst
Công ty thương mại dịch vụ cổng việt
01/2025 – 06/2025

- Designed MySQL databases and wrote complex SQL queries to retrieve data for both frontend and backend requirements.
- Synchronized data from Circle API on a scheduled basis, ensuring up-to-date and accurate datasets.
- Validated and maintained data integrity, documented data structures and processing logic.

- Conducted data analysis using Python (pandas, numpy) to process large datasets and deliver precise predictions.
- Standardized customer data from multiple sources (Google Sheets, SQL Server, API) and resolved data quality issues (duplicates, missing values).

ACADEMIC PROJECTS

- **Sports Prediction Project:** Developed data-driven models to forecast sports outcomes using Python and machine learning techniques.
- **Geospatial Analytics & Digital Twin Pipeline for Urban Flood Risk Management:** Built and automated a geospatial data pipeline for urban flood risk analysis, integrating ETL, big data, and visualization technologies.

TECHNICAL SKILLS

- **Programming & Data Processing:** Python (pandas, numpy), Web Scraping (BeautifulSoup, Scrapy, Selenium), ETL Automation
- **Database Management:** SQL (MySQL, PostgreSQL, SQL Server), Database Design, Data Integrity
- **Big Data & Cloud:** Apache Airflow, Apache Kafka, Apache Spark & PySpark, MinIO, AWS S3, AWS Glue, Amazon Redshift
- **Containerization:** Docker (basic)
- **Data Visualization:** Dash, Seaborn, Matplotlib, Plotly
- **Excel:** VLOOKUP, HLOOKUP, Pivot Table, Power Query, Data Visualization
- **Machine Learning & AI:** Scikit-learn, TensorFlow, Model Deployment
- **Other:** English communication, Logical problem-solving, Team collaboration

CERTIFICATIONS

- **SQL (BASIC)**, 2025

EXTRACURRICULAR ACTIVITIES & INTERESTS

- **Reading:** Read one business data book per month to stay updated on industry trends.
- **Volleyball:** Active participant in school and community volleyball teams, achieving several notable results.