DAO TRUNG HIEU

WORK AND RELEVANT EXPERIENCE

Junior Data Engineer
Insight Data - Full Time

📅 Oct. 2022 - Ongoing   📍 Ha Noi

Develop BI report for MB bank (Onsite MB)
- Pulling data from source systems ODS, SMY
- DEV data layer STAG – ETL, ETL – APPS
- Develop reports on legacy systems using pentaho
- Build new reporting system using oracle odi on new datawarehouse
- Create new table dim, fact, push data by mechanism: update - insert, scd type 2
- Write development documents, golive documents, usage and operation documents, common error documents,...
- Add and update new logics requested by MBBank
- Support and fix problems during the periodic operation of Jobs
- UAT professional support
- Modify and tuning commands SQL/PLSQL using Index(Bitmap index, B-Tree), partition(hash, list, range, composite)

Fresher Data Engineer
InvestIdea. Tech - Full Time

📅 Apr. 2022 - Sep. 2022   📍 Ha Noi

1. Build Data Warehouse and develop Business Intelligence Applications for InvestIdea
   - Design Data Model and deploying Data Warehouse for InvestIdea company
   - Build ETL flow, pipeline, normalize and cleanse data
   - Manage source code with git, gitlab
   - Design, build and develop reports to support decision-making:
     - Analyze the company's source situation, make HR strategies
     - Analyze progress and performance of ongoing outsourced projects
     - Analyze the work productivity of members and teams
     - Support Sales Department and Human Resources Department to update the latest infomation

2. Develop BI reports for companies: Hocmai, Flyer, Gaspol Indonesia Motor Group

Intern Data Engineer
Insight Data - Full Time

📅 Jan. 2022 - Apr. 2022   📍 Ha Noi

Implement data warehouse, data model project
- Build the entire data warehouse project
  - Push business data from source to Staging (temporary area) Load 1:1
  - Use data push mechanisms in data warehouse: Contro Append(Insert, Truncate), SCD type 2, Incremental Update
  - Push data from staging to Data Warehouse according to star schema model, keep track of change history by SCD mechanism
  - Build data mart, BI Report
- Build Data model for mini supermarket management according to 3NF standard

TECHNICAL

- Programming language: Python, Bash, PL/SQL
- SQL: PostgreSQL, Oracle, MySQL
- NoSQL: MongoDB
- Visualization tool: Superset, Data Studio, BI Publisher, Power BI
- ETL tool: Oracle ODI, Pentaho, Airflow
- Git, Jira, Docker, Ubuntu, IPython, Oracle Data Quality, OBIEE, Oracle Analytic Server

CERTIFICATIONS

IBM Data Engineering Professional

📅 Aug. 2022 | Coursera

DevOps, Cloud, and Agile Foundations

📅 May. 2022 | Coursera

IBM Data Warehouse Engineer

📅 Apr. 2022 | Coursera

SQL Advanced

📅 Mar. 2022 | Hackerrank

IBM Data Analyst

📅 Feb. 2022 | Coursera

Google Data Analytics

📅 Feb. 2022 | Coursera

EDUCATION

Bachelor in Electronic Physics and Optical Physics

Hanoi University of Science and Technology

OTHER WORK

Site Engineer

Welding Alloys VietNam

- Design the model at the associated entity level
- From the entity level to the logical design finally to the physical level design below the database
- Write design specification documents

SIDE PROJECT

POC Sacombank Data Quality

📅 Apr. 2022 - Jun. 2022

Cleansing data for Sacombank
- Install Oracle EDQ, Oracle OBIEE/ BI Publisher (DEV enviroment)
- Build a script to cleanse data fields related to Customer
- Embed Javascript code in EDQ
- Develop a data cleaning scenario with the Rule "Dealing with duplicate customers" using Oracle Data Quality tool
- Participating in presenting POC results to Sacombank
- Developing Customer Information reports using Oracle BI Publisher

Analyze credit data

📅 Nov. 2021 - Dec. 2021

Analytical data set of 614 samples by Python, Numpy, Pandas, Matplotlib, Seaborn
- Purpose: increase efficiency in approving bank loans, reduce default risk, reduce approval time
- Perform univariate and bivariate analysis to observe the distribution and correlation relationship
- Use chi-square testing to test the relationship between two variables
- Clean data, handle missing value, duplicate, create new feature
- Build a logistic regression model and find that credit history creates the most impact on lending decisions