



DANG NHAT

DATA ENGINEER

- 12/04/1995
- Go Vap District, HCMC
- +84 0354883673
- dangnhatsimon@gmail.com

Profile

- LinkedIn
- Github

Education

Obninsk Institute for Nuclear Power Engineering

B.Sc in Nuclear Power Engineering and Thermal Physics (2014-2019).

GPA: 4.6/5.0

IBM Skills Network

Data Engineering (2021-2022).

DataCamp

Data Engineer (2021-2022).

Google Career

IT Automation with Python (2021-2022).

Google Career

Data Analytics (2021-2022).

Certificate

- IBM - Big Data 101.
- IBM - Hadoop 101.
- DataCamp - Building Data Engineering Pipelines in Python.
- freeCodeCamp - Data Analysis with Python.
- Hackerrank - Problem Solving Basic.
- Hackerrank - Python Basic.
- Hackerrank - SQL Advanced.
- Sololearn - Python Intermediate.
- Sololearn - SQL Intermediate.

Working Experience

May 2024 – Present

Data Engineer Specialist

GREENFEED Vietnam Corporation - Fulltime

- GREENFEED is a fully integrated clean food chain FEED – FARM – FOOD with the mission to build quality and trusted brands that relentlessly innovate and create sustainable values for customers and society.
- Design, build, and test ELT processes on Docker from various data sources including SAP and ERP systems.
- Develop and monitor data pipelines using Airbyte and Airflow, ensuring data reliability and timeliness.
- Ingest, transform data and manage data migrations, synchronization from internal servers and databases to AWS services like S3, Redshift using DMS, DataSync, and AppFlow.
- Contribute to the development and validation of a new data warehouse on Redshift from scratch, enriching data to meet business requirements.
- Utilize DBT for data processing and transformation, delivering cleansed data for data analysts.
- Ensure data transformations matched business requirements across different segments (FEED, FARM, FOOD). Collaborate with data analysts and stakeholders to understand data needs and deliver accurate data solutions.
- Maintain comprehensive documentation for data processes, pipelines, and architectures.
- Skills: Python, AWS, Data Architecture, Docker, Kubernetes, GitLab, Integrated Businesses in Closed Loop.

Apr 2024 – Apr 2024

Back End Engineer

Definer Inc. - Remote Parttime

- Definer designs and develops solutions, builds DevOps, automates cloud IT infrastructure construction, and builds analytical platforms for big data.
- Using Prisma for interfacing to interact with databases using a type-safe and auto-generated query builder.
- Creating task definition on AWS, building configuration files like CircleCI, docker-compose and Dockerfile to automate the build, test, and deployment processes of application.
- Processing data gathered from social media on cloud and create scripts python to do jobs on cloud Google BigQuery, AWS S3, AWS Lambda, AWS Fargate. Create OOPs for utilities, packages and interact with PostgreSQL, Firebase.
- Using REST API with Flask to build website.
- Skills: AWS, DevOps, Docker Swarm, Prisma ORM, Microservices, Flask, Back-End Web Development, SQL, Python, REST APIs, CircleCI, GCP.

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Languages

- Vietnamese
- English
- Russian
- Chinese

Oct 2022 –
May 2024

Data Engineer

PECC2 - Fulltime

- The joint stock consultancy company in electricity energy industry. Data from any monitoring system are ingested to database server at Company from invested power plants. Processing data with 1GB/day, ensure available data for Data Scientist and ML Teams.
- Contribute to Big Data Development Plan for Company. - Implementing ETL & Data Pipelines with Bash, Airflow & Kafka; architecting, populating, deploying Data Warehouses. Contributing to interactive reports sent streaming to the end users and improve customer experience.
- Web scraping and using APIs to extract data with BeautifulSoup, Selenium, Scrapy, Splash. Dealing with dynamic JavaScript website and pagination.
- Creating, designing, & managing relational databases & applying database administration to MySQL, PostgreSQL, & IBM Db2. Composing advanced SQL techniques like views, transactions, stored procedures and joins. Monitoring and optimizing database performance.
- Developing shell scripts using Linux commands. Schedule cron jobs.
- Developing working knowledge of NoSQL & Big Data using MongoDB, Cassandra, Cloudant, Hadoop, Apache Spark, Spark SQL, Spark ML, and Spark Streaming.
- Creating a Telegram Bot with python-telegram-bot that can do API call to coingecko and get real time price of coin.
- Creating search function for searching specific keywords across multiple files combined with simple GUI using tkinter. Creating simple GUI for internal uses, interacting with databases.
- Create and modify documents, images, and messages with Python. Automate updating catalog information. Fetching and working with supplier data images. Process Text Files.
- Using APIs to interact with web services. Uploading images, descriptions to web server. Write a script that summarizes and processes sales data into different categories. Generate a PDF report and send it through email.
- Writing a script to check the health status of the system.
- Skills: Data Science, ETL & Data Pipelines, RDBMS, NoSQL and Big Data, Apache Spark, Python Programming, Data Analysis, SQL, Shell Scripting, Docker, Git, Cloud.

Skills

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|---------------|---|
| Domain | Electricity, Agriculture, F&B, Inventory. |
| Foundation | Data Structures & Algorithms, Probability & Statistics. |
| Programming | Python, Java, dbt, R, LaTeX. |
| Framework | Flask, Django, Spring, Data Engineering. |
| Scripting | Bash, Shell on Linux, Git. |
| Database | SQL(MySQL, PostgreSQL, MSSQL), NoSQL(MongoDB, Cassandra), SAP. |
| Big Data | Hadoop, Spark, Kafka. |
| Cloud | AWS, Azure, GCP, IBM. |
| Visualization | Tableau, Power BI. |
| Soft Skills | Detail-oriented, Structured & Analytical Thinking, Problem Solving, Teamwork, Diligent, Energetic, Resilient. |