

Van Hung Tran

DATA ENGINEER · M.SC. COMPUTER SCIENCE STUDENT

Marburg, Germany

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Professional Summary

Data Engineer with 3+ years of experience designing and building data warehouses and ETL pipelines on AWS and Azure. Currently pursuing an M.Sc. in Computer Science at Philipps-University Marburg and seeking a Working Student role in Data Engineering (15–20 h/week). Eligible to work in Germany as a student during the semester.

Work Experience

FPT Software

Database Engineer / Data Engineer / Data Analyst

Ho Chi Minh City, Vietnam

03/2024 - 09/2025

Data Analyst – Global automotive services provider (05/2025 – 09/2025)

- Built data warehouse models and analytic dashboards for one of the world's largest automotive service providers.
- Implemented complex business logic and alerting in Power BI to notify stakeholders when KPIs exceeded thresholds.
- Tech Stacks:** Snowflake, SQL, Power BI.

Data Engineer – Analytics migration to Azure Synapse (01/2025 – 05/2025)

- Migrated an Oracle-based analytics data warehouse to Azure Synapse using Informatica Cloud.
- Implemented table and pipeline migrations and performed comprehensive post-migration data quality validation.
- Tech Stacks:** Azure Synapse, ADLS, Informatica Cloud.

Database Engineer – Microservice migration project (03/2024 – 01/2025)

- Developed data pipelines to migrate operational data from an on-premises monolith to AWS, supporting a new microservice architecture and A/B testing.
- Served as a core team member responsible for designing and building a data-migration verification tool from scratch.
- Developed a data quality dashboard covering the entire data migration process.
- Implemented one-time migration and Change Data Capture (CDC) processes between the two systems.
- Tech Stacks:** AWS (S3, Glue, Lambda, EventBridge, DMS, CloudWatch, QuickSight), Oracle, PostgreSQL, MongoDB, Oracle GoldenGate, Python (Polars), Superset.

Agest Vietnam

Database Administrator / Data Engineer / Data Scientist

Ho Chi Minh City, Vietnam

12/2021 - 03/2024

Database Administrator – Telecom device management application (01/2023 – 03/2024)

- Designed and maintained the PostgreSQL schema for a device-management web application for a telecom client.
- Managed database deployments across environments and supported backend developers with stored procedures and functions.
- Tech Stacks:** PostgreSQL, Alembic, PL/pgSQL.

Data Engineer – Analytics platform on AWS (05/2022 – 03/2024)

- Designed and built a data warehouse platform ingesting data from operational databases into AWS for Tableau analytics.
- Designed data architecture to load data from DynamoDB and SharePoint into Athena; created data-quality and backup flows to prevent data loss before truncation.
- Optimized Athena query caching, reducing S3 storage costs by 30%, and automated monthly data exports to SharePoint.
- Tech Stacks:** AWS (S3, Athena, Glue, CloudWatch), Airflow, Jenkins.

Data Scientist (Fresher) – Customer-insight product (12/2021 – 05/2022)

- Contributed to a customer-insight extraction tool using NLP to derive keywords, topics, and sentiment from user reviews; maintained and improved classification models.
- Tech Stacks:** Python (PyTorch, NumPy), NLP, statistical modeling, Docker.

Skills

Programming

Python (Pandas, Polars, NumPy, Scikit-learn, PyTorch), SQL, Java

Data Engineering & ETL

Data modelling, ETL/ELT (Airflow, Informatica), Data Quality

Cloud & Analytics

AWS (S3, Glue, Lambda, DMS, Redshift, Athena, EventBridge, CloudWatch, QuickSight), Azure Synapse, ADLS

Databases

PostgreSQL, Oracle, MongoDB

Tools & Others

Docker, Jenkins, Ubuntu Linux, Shell (Bash/Zsh), Power BI, Git, Jira, Alembic

Soft Skills

Time Management, Teamwork, Problem-Solving, Documentation, Critical Thinking, Research

Education

Philipps-University Marburg

M.Sc. Computer Science

Courses: Big Data System, Natural Language System, NoSQL Database System, Introduction to Cryptography and its Applications

Marburg, Germany

10/2025 - current

Frankfurt University of Applied Sciences

B.Sc. Computer Science

- Thesis: Data Analytical Characteristics in Stress, Anxiety and Depression Level - Grade 1.0
- GPA: 8.7 (1.7 German scale)

Frankfurt, Germany

09/2018 - 06/2023

VNU-HCM High School for The Gifted

High School

Specialised in Informatics - GPA: 8.7 for 3 consecutive years

Ho Chi Minh City, Vietnam

09/2015 - 09/2018

Certificates

2024 **AWS Certified Data Engineer - Associate**, Amazon Web Services

2023 **Google Cloud Data Engineer Professional**, Google Cloud Platform

Awards

2019-2022 **Merit Scholarship**, In four consecutive years

2020 **DAAD Scholarship**, Study-stay exchange semester scholarship

Languages

English Professional working proficiency (C1)

German Limited working proficiency (A2/B1, in progress)

Vietnamese Native