

# Van Hung Tran

DATA ENGINEER · M.SC. COMPUTER SCIENCE STUDENT

Marburg, Germany

+49 157 5732 5345 | [vhtran.work@gmail.com](mailto:vhtran.work@gmail.com) | [hwngrtraanf.github.io](https://hwngrtraanf.github.io) | [hungtranvan](https://www.linkedin.com/in/hungtranvan)

## 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

Ho Chi Minh City, Vietnam

Database Engineer / Data Engineer / Data Analyst

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

Ho Chi Minh City, Vietnam

Database Administrator / Data Engineer / Data Scientist

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

<b>Programming</b>	Python (Pandas, Polars, NumPy, Scikit-learn, PyTorch), SQL, Java
<b>Data Engineering &amp; ETL</b>	Data modelling, ETL/ELT (Airflow, Informatica), Data Quality
<b>Cloud &amp; Analytics</b>	AWS (S3, Glue, Lambda, DMS, Redshift, Athena, EventBridge, CloudWatch, QuickSight), Azure Synapse, ADLS
<b>Databases</b>	PostgreSQL, Oracle, MongoDB
<b>Tools &amp; Others</b>	Docker, Jenkins, Ubuntu Linux, Shell (Bash/Zsh), Power BI, Git, Jira, Alembic
<b>Soft Skills</b>	Time Management, Teamwork, Problem-Solving, Documentation, Critical Thinking, Research

# Education

---

<b>Philipps-University Marburg</b>	Marburg, Germany
M.Sc. Computer Science	10/2025 - current
<b>Courses:</b> Big Data System, Natural Language System, NoSQL Database System, Introduction to Cryptography and its Applications	
<b>Frankfurt University of Applied Sciences</b>	Frankfurt, Germany
B.Sc. Computer Science	09/2018 - 06/2023
<ul style="list-style-type: none"><li>Thesis: Data Analytical Characteristics in Stress, Anxiety and Depression Level - Grade 1.0</li><li>GPA: 8.7 (1.7 German scale)</li></ul>	
<b>VNU-HCM High School for The Gifted</b>	Ho Chi Minh City, Vietnam
High School	09/2015 - 09/2018
Specialised in Informatics - GPA: 8.7 for 3 consecutive years	

# Certificates

---

2024	<b>AWS Certified Data Engineer - Associate</b> , Amazon Web Services
2023	<b>Google Cloud Data Engineer Professional</b> , Google Cloud Platform

# Awards

---

2019-2022	<b>Merit Scholarship</b> , In four consecutive years
2020	<b>DAAD Scholarship</b> , Study-stay exchange semester scholarship

# Languages

---

<b>English</b>	Professional working proficiency (C1)
<b>German</b>	Limited working proficiency (A2/B1, in progress)
<b>Vietnamese</b>	Native