Van Hung Tran

DATA ENGINEER · M.SC. COMPUTER SCIENCE STUDENT

Marburg, Germany

📱 +49 157 5732 5345 | ✉ vhtran.work@gmail.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   *Mar 2024 - Sep 2025*

Data Analyst – Global automotive services provider (May 2025 – Sep 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 (Jan 2025 – May 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 (Mar 2024 – Jan 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   *Dec 2021 - Mar 2024*

Database Administrator – Telecom device management application (Jan 2023 – Mar 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 (May 2022 – Mar 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 (Dec 2021 – May 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   *Marburg, Germany*

M.Sc. Computer Science   *Oct 2025 - Current*
- **Courses:** Big Data System, Natural Language System, NoSQL Database System, Introduction to Cryptography and its Applications

Frankfurt University of Applied Sciences   *Frankfurt, Germany*

B.Sc. Computer Science and Engineering   *Sep 2018 - Jun 2023*
- Thesis: Data Analytical Characteristics in Stress, Anxiety and Depression Level - Grade 1.0
- GPA: 8.7 (1.7 German scale)

VNU-HCM High School for The Gifted   *Ho Chi Minh City, Vietnam*

High School   *Sep 2015 - Sep 2018*
- Specialised in Informatics - GPA: 8.7 for 3 consecutive years

Achievements

2024	**AWS Certified Data Engineer - Associate**, Amazon Web Services
2023	**Google Cloud Data Engineer Professional**, Google Cloud Platform
2020	**DAAD Scholarship**, Study-stay exchange semester scholarship
2019-2022	**Merit Scholarship**, Merit Scholarships for 4 consecutive years

Languages

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

References

Dr. Tran Hong Ngoc	Former Academic Coordinator | Tel: +84 938 52 59 79 | Email: ngoc.th@vgu.edu.vn
Mr. Hieu Hoang	Senior Engineer at WorldQuant | Tel: +84 373 30 07 67 | Email: hhieu.work@gmail.com