Tomy Huy Le

Im Solch 13, 66589 Merchweiler, Germany tomyle49@gmail.com 0151 68595020
tomylehuy.github.io Tomy Huy Le TomyLeHuy

Work Experience

Software Engineer and IT Consultant Intern *Frankfurt, Hessen*
Capgemini Germany GmbH *Mar 2026 – Aug 2026*

- Led an **AI tooling team** responsible for designing **enterprise GenAI integrations**, coordinating technical implementation, priorities, and solution development.
- Translated business requirements into secure AI solutions integrating **OpenWebUI** with **Jira**, **Confluence**, **Graylog**, **Jenkins**, **GitLab**, and internal knowledge bases via **MCP** and **RAG**.
- **Containerized** and deployed multiple AI services on **OpenShift**, configuring routes, HTTPS endpoints, environment variables, secrets, service networking, and production troubleshooting.
- Implemented a secure multi-user Atlassian MCP proxy using **JWT identity propagation** and **Vault-based credential resolution**, preserving user-specific Jira and Confluence permissions.
- Built a **structure-aware document conversion** and **knowledge-base ingestion pipeline** for RAG, preserving metadata and semantic context for improved retrieval.
- Designed and implemented **multi-agent root-cause analysis** architecture correlating Jenkins failures with screenshots, logs, and GitLab changes.
- Presented technical concepts and project outcomes to business and technical stakeholders, communicating **architecture**, **value**, **risks**, and implementation considerations.
- Advised **C-level executives** on integrating AI into daily workflows, identifying practical use cases and communicating responsible usage, limitations, and adoption strategies.

Research Assistant *Saarbrücken, Saarland*
German Research Center for Artificial Intelligence (DFKI) *Nov 2024 – Mar 2026*

- Presented research findings and project results to key stakeholders and project sponsors (**Federal Ministry of Research, Technology and Space, BMFTR**)
- Implemented an **interactive dashboard** for **business process prediction** with **ML models**, integrating **XAI methods** for explainability and leveraging **LLMs/AI agents** to power a conversational chat interface for querying insights.
- Developed and deployed **machine learning models** for industrial clients, directly optimizing **inventory management** and **production processes** combined in an interactive dashboard.
- Engineered robust **data preprocessing pipelines**, demonstrably improving the accuracy and reliability of **time-series forecasting models**.
- Contributed to the **"GreenAI-Hub"** federal ministry (BMWK) initiative, presenting key research findings to project stakeholders and industry partners.

Manager *Sankt Wendel, Saarland*
Zen-Zen SUSHI & MORE *Jan 2019 – Nov 2024*

- Oversaw the deployment and maintenance of **cash register systems** to streamline operational workflows and enhance accuracy in **financial reporting**.
- Improved **customer engagement** by managing **social media channels** and advertising campaigns.
- Managed **employee relations**, **performance evaluations**, and training initiatives to increase productivity and participation.
- Chef, Kitchen Help and **Customer Service**

Data Analyst (Internship) *Eschborn, Hessen*
Md Binco GmbH *Okt 2021 – Dec 2021*

- **Data analysis** and **property management** for customers.

Education

Saarland University *Apr 2023 – Apr 2026*
B.Sc. Business Informatics
- **Specialization: Software engineering** and **artificial intelligence**

Saarland University *Apr 2022 – Mar 2023*
B.Sc. Computer Science
- **Transferred** to Business Informatics

Illtal Gymnasium Illingen (IGI) *Aug 2013 – Jun 2021*
Highschool Degree
- **Grade:** 1.5

Projects

Personal Website *tomylehuy.github.io*
- Created a personal **web portfolio** with information, projects, and documents of myself.
- Tools used: **HTML**, **CSS**, **JavaScript**

Demand Forecasting Dashboard *July 2025 – August 2025*
- Developed a reusable, **enterprise-grade demand forecasting dashboard** with real-time **stock movement simulation**.
- Tools used: **Python**, **Dash/Plotly**, **Scikit-Learn**

Comment Toxicity Model *Jul 2024 – Okt 2024*
- Designed and trained a **sentiment analysis model** to classify and detect varying levels of toxicicity in user comments.
- Tools used: **Python**, **TensorFlow**, **Django**

Ultimate Tic Tac Toe *Jun 2023 – Jul 2023*
- Developed an extended version of the classic Tic Tac Toe game featuring more **complex gameplay mechanics**.
- Tools used: **Java**

Skills

Technical Skills: Python, **PyTorch**, **TensorFlow**, **Scikit-Learn**, **Java**, **Django**, **HTML/CSS**, **JavaScript**, **Dash/Plotly**, **FastMCP**, **OpenWebUI**, **OpenShift**
Languages: English (fluent), German (native), Vietnamese (native)
Hobbies: Basketball, Weight Lifting, Boxing

Certifications and Awards

Consulting Certificate *Saarbrücken, Saarland*
IWi at DFKI Saarbrücken *Nov 2024 - Feb 2025*

Best AI Project *Saarbrücken, Saarland*
ISS Saarbrücken, Prof. Dr.-Ing. Wolfgang Maaß *Jan 2025*

Instructor Certificate *Saarbrücken, Saarland*
IHK Saarbrücken *Nov 2024*