AMIR AMEMI

Germany

📞 +4915215809155　✉ amir@amemi.de　in linkedin.com/in/amemi-amir/　◯ github.com/AmirAmemi
🖼 https://www.amemi.de

Summary

Analytical and solution-oriented Software & Data Engineer with experience designing data-driven and C#-based applications. Skilled in building ETL pipelines, managing relational databases, and developing business intelligence dashboards. Strong foundation in software development, data warehousing, and reporting systems, with practical experience in Python, C#, SQL, and AWS. Adept at collaborating in international environments and contributing to agile IT projects aligned with banking and enterprise standards.

Experience

Smart Information Trade　　　　　　　　　　　　　　　　　　　**February 2024 – September 2024**

Data & Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　*Monastir, Tunisia*

- Engineered an automated scheduling system using optimization algorithms, reducing process time by 98% and ensuring 95% compliance with business rules.
- Developed backend logic integrating SQL data handling and Python modules, improving performance across scheduling workflows.
- Delivered analytical reports and dashboards to enhance decision-making and operational efficiency.
  Technologies: Python, SQL, C#, Pandas, NumPy, Matplotlib, MySQL, Data Visualization, Optimization.

Digital Research & Technologies　　　　　　　　　　　　　　　　　**April 2023 – October 2023**

Data engineer Intern　　　　　　　　　　　　　　　　　　　　　　　　*Monastir, Tunisia*

- Designed and maintained ETL pipelines for large datasets using AWS Glue and Redshift, optimizing data processing by 30%.
- Implemented data models and warehouse structures supporting business analysis and reporting.
- Analyzed data trends, resulting in improvement in decision making speed for key strategy initiatives.
- Improved data quality by 25% and contributed to BI dashboards for key stakeholders.
  Technologies: Python, AWS Glue, AWS Redshift, MySQL, HTML5, Selenium, BeautifulSoup, JSON.

Projects

Banking Data Warehouse & Reporting System　　　　　　　　　　　　　　　　**July 2025**
- Designed an end-to-end ETL pipeline with PostgreSQL and Power BI to analyze customer and transaction data.

Customer Account Management System (.NET + SQL)　　　　　　　　　　　　**June 2025**
- Developed a C# application for managing customer accounts and transactions with real-time balance updates.

Automated Data Pipeline & Flight Delay Dashboard　　　　　　　　　　　　**April 2025**
- Developed an automated Python ETL pipeline to analyze and visualize Nouvelair +100 flights delays, posting daily dashboard reports via GitHub Actions and Discord.

Technical Skills

Languages: Python, Java, C, C#, HTML/CSS, SQL.
Developer Tools: VS Code, Eclipse, AWS, IntelliJ.
Data Engineering: ETL Pipelines, Data Warehousing, Data Processing, AWS Glue, AWS Redshift, MySQL.
Data Visualization: Power BI, Matplotlib, Seaborn.
Automation & Web Scraping: n8n, Selenium, BeautifulSoup, JSON, APIs.

Education

University of Schmalkalden　　　　　　　　　　　　　　　　　　**April 2024 – September 2025**

Exchange Student in Computer Science　　　　　　　　　　　　　　　　　*Schmalkalden, Germany*

Faculty of Science of Monastir　　　　　　　　　　　　　　　　**September 2022 – June 2024**

Master's Degree in Data Science　　　　　　　　　　　　　　　　　　　　*Monastir, Tunisia*

Faculty of Science of Monastir　　　　　　　　　　　　　　　　**September 2018 – June 2022**

Bachelor's Degree in Applied Mathematics　　　　　　　　　　　　　　　　*Monastir, Tunisia*

Languages

German A2 | **English** B2 | **French** B2