

MALIK HASSAN RAZA

Saarbrücken, Germany +49 152 107 37287 razamalikhassan@gmail.com

LinkedIn: linkedin.com/in/malikhassanraza2a6574153

PROFESSIONAL PROFILE

Data Engineer with a strong background in developing and optimizing ETL/ELT processes and data pipelines in a modern cloud environment. Proficient in SQL, BigQuery, and real-time tracking technologies, with hands-on experience integrating machine learning models and managing infrastructure for Big Data technologies like ClickHouse and Kinesis. Excel in automation, testing, and deployment processes to support the development of data-driven products and innovative solutions.

TECHNICAL SKILLS

Languages: Python, SQL

Databases: MySQL, PostgreSQL, Qdrant, Vector Databases

Cloud: OpenAPIs

Tools: NumPy, Pandas, PyTorch, REST API, Git, GitHub, Alteryx, LangChain, GraphGen, AI Prompt Engineering, Custom GPTs, LLMs, RAG, Vibe Coding, Cirq, Copilot, Antigravity

PROFESSIONAL EXPERIENCE

Turing

Jan 2023 - Oct 2025

GenAI Engineer (LMs, Python)

REMOTE

- Designed and implemented high-performance ETL/ELT processes and data pipelines using LMs and Python to support large-scale GenAI initiatives.
- Led a team of 9 GenAI engineers, enhancing delivery velocity, data quality, and cross-team collaboration within a 600+ person organization.
- Achieved production scale of 70-80 high-quality LM trajectories per week, accelerating model iteration across various tasks.
- Developed an automated LM-based data quality analysis pipeline with Python, REST APIs, and GPT-4, resulting in the detection of system errors and quality gaps.
- Engineered an internal RAG-powered chatbot using Python, LangChain, and Qdrant, reducing Slack message volume by 30% and providing instant access to SOPs and documentation.
- Established guidelines for prompt evaluation, rubrics, and validation workflows to ensure consistent output and 100% client requirements compliance.
- Collaborated with ML researchers and product teams to align evaluation metrics with benchmarking objectives, leading to measurable model enhancements.
- Supported SFT and RLHF pipeline by generating high-quality task-specific datasets to improve model alignment and reasoning quality.
- Partnered with cross-functional teams to drive improvements in model performance and product value.

System Limited

July 2021 - Jan 2023

Junior Consultant, Data Analytics

ISLAMABAD

- Constructed high-performance ETL pipelines using BMDataStage, enhancing data ingest efficiency by 30% for a major telecom client.
- Developed PowerBI dashboards and optimized SQL queries, reducing report times by 40% and enabling faster data-driven decisions.
- Implemented automated validation workflows with Python/Alteryx, achieving over 98% post-migration data accuracy, strengthening internal control and trust in migrated data.

EDUCATION

National University of Sciences and Technology
Bachelor of Science in Computer Science (BSCS)

Jun2021
ISLAMABAD, PAKISTAN

CERTIFICATIONS

- AWS Certified Data Engineer