



Kened Kqiraj

Data Engineer | Analytics & Applied Machine Learning | AI

Analytics Engineer with hands-on experience at On Holding AG building SQL/BigQuery pipelines and reporting to support trade compliance operations. Strong in data modeling, automation, and production-oriented analytics, with applied experience using ML/LLMs for information extraction and workflow support. Seeking roles in Analytics Engineering / BI / Data Engineering with applied data science scope.

✉ kened.kqiraj@hotmail.com

📞 076 567 29 85

📍 Zug, Switzerland

🌐 kennedkqiraj.github.io/

linkedin.com/in/kened-kqiraj

github.com/kennedkqiraj

WORK EXPERIENCE

Internship - Data Science

On Holding AG

02/2025 - 02/2026

Zürich

Achievements/Tasks

- Product owner for an automation initiative in trade compliance; automated preferential origin workflows using Python, SQL, BigQuery, and large language models
- Designed and maintained data ingestion, transformation, and reporting pipelines to support customs and trade compliance processes.
- Integrated solutions within the Google Cloud Platform ecosystem, including BigQuery and Vertex AI, for scalable data processing and model deployment.

Operations Specialist

The Brain Maze LLC

07/2019 - 02/2024

Achievements/Tasks

- Analyzed audience and marketing data to identify patterns, insights, and optimization opportunities.
- Built and optimized data-driven digital marketing campaigns based on analytical insights, improving campaign effectiveness.
- Continuously improved internal workflows through data analysis and process optimization.
- Created financial and performance reports using Tableau dashboards, supporting decision-making and tax reporting.

Credit Analyst

Finca Impact Finance

03/2017 - 07/2019

Achievements/Tasks

- Assessed creditworthiness of mortgage and loan applicants by analyzing financial documents, credit history, and risk factors
- Evaluated loan applications end-to-end, including approval recommendations and pricing of credit offers
- Managed payment follow-ups, negotiated repayment plans, and coordinated with collection agencies when required

EDUCATION

Master of Science in Applied Information and Data Science

Lucerne University of Applied Sciences and Arts

02/2024 - 02/2026

Courses

- Linear Algebra
- Data Quality
- Generative AI & Advanced GenAI
- DevOps - Git, Docker & Software Engineering in Python

- Applied Machine Learning and Predictive Modelling 1 & 2
- Classical and Bayesian Statistics
- IBM WatsonX GenAI Challenge
- Computational Language Technologies

Lucerne

EDUCATION

Bachelor of Accounting

University of Prishtina

01/2016 - 12/2016

Courses

- Investment Analysis and Valuation

- Financial Management and Analysis

PERSONAL PROJECTS

MA Thesis (02/2025 - 12/2025)

- Automating Rule Extraction and Interpretation from Free Trade Agreements (FTAs) Using NLP - LLMs / Automation / NLP
- Finetuning LegalBERT using PyTorch

IBM WatsonX Challange (02/2025 - 05/2025)

- Developed an automated system for data categorization and summarization.
- Applied LLMs to extract insights such as trending topics, common themes, sentiment analysis, and areas of disagreement or confusion.
- Used IBM platform services, including Intelligent Document Processing, for semantic analysis.
- Orchestrated automated content workflows in IBM Watsonx Orchestrate by building an agent triggered by new files in Cloud Object Storage, calling Discovery and Watsonx.ai for semantic tagging and summarization, writing results to a database, and updating article metadata.

Big Data in the Cloud Block Seminar (09/2025 - 09/2025)

- Built and orchestrated data pipelines using Azure Data Factory to automate data ingestion and transformation workflows.
- Processed large-scale datasets in Azure Databricks using PySpark and SparkSQL for distributed data analysis.
- Designed and queried relational data models using SQL for structured data integration.
- Implemented scalable data storage and access solutions with Azure Blob Storage for unstructured data, and applied cloud-based big data frameworks to deliver end-to-end cloud data engineering solutions.

Generative AI Application Development (LangChain / Flask) (07/2025 - 07/2025)

- Applied prompt templates, chains, and agents to build flexible and context-aware AI applications using LangChain.
- Evaluated and compared multiple language models to select the most suitable models for specific use cases.
- Developed a Generative AI web application with Flask, integrating structured JSON outputs for reliable AI responses.
- Built RAG applications in Python using LangChain and LlamaIndex.

SKILLS



CERTIFICATES

Google Data Analytics Certificate

Tableau Certificate

R-Bootcamp

Python for Data Analysis: Pandas & NumPy

Project Management Foundations, Initiation, and Planning

Unsupervised Learning, Recommenders, Reinforcement Learning

Advanced Learning Algorithms

Oracle Database Foundations

LANGUAGES

Albanian

Native or Bilingual Proficiency

German

Professional Working Proficiency

English

Full Professional Proficiency

INTERESTS

Running

Fitness

Hiking

Reading

Exploring new data, AI, and automation tools

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