

Roland TALLA

0032 (0) 489 00 90 31 | rolandtalla@outlook.com

Rue Général Leman 62 , 4430 ANS / Belgium

 www.linkedin.com/in/RolandTalla

Targeted positions: AI Analyst, Data Analyst

As a finance and data engineering professional, I am passionate about creating value through artificial intelligence through the design and implementation of intelligent agents and augmented recovery generation (RAG) systems. Using large language models (LLMs) and modern communication protocols like the Model Context Protocol (MCP), I am able to connect these agents to tools and APIs to automate the analysis, extraction, and synthesis of complex financial information. This dual skill in finance and AI, complemented by a mastery of data technologies (Python, SQL, Power BI), ideally positions me to design robust solutions that transform raw data into strategic and actionable information.

Key Technical Skills

- **Languages & Data :** PythonSQL (CTE, windows), Excel VBA
 - **AI & ML :** RAG, AI agent, LLM(openai, gemini), ML (regression, classification, clustering)
 - **BI & DataViz :** Power BI, DataWarehouse Modeling
 - **Cloud & Databases :** GCP BigQuery, Azure Data Lake, MySQL, PostgreSQL
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Projects: Finance and AI

- **AI project (POC): RAG (Retrieval Augmented Generation):** As part of the execution of a reminder campaign, design and implementation of an AI agent coupled with a RAG that allows the taxpayer to check the status of these payments and open invoices live. **ROI:** a reduction in the human resource needs of 03 full-time employees
- **Accounting and Finance Project:** Designed an ELT data pipeline with Python and SQL to power a debt management tool. Implementation of dashboards on Power BI to monitor critical KPIs (debt balance, maturity, rate volatility). **ROI:** a reduction in the need for human resources by 01 full-time employees and a better quality of information provided
- **Automation in the creation of bank transfers:** VBA to automate the processes of creating SEPA payment orders in XML format. **ROI:** Faster, more reliable and secure process.

Professional experience

- **City of Liège** | From 2017 to Present
 - **Data Analyst & IA initiator**
 - Automation of data analysis processes (AI agent, VBA workflow)
 - Treasury Reporting: DataWarehouse (SQL) and Visualization (Power BI)
 - **Director of Treasury**: Cash and liquidity management (loans, SWAP/Forward hedging), cash pooling and banking relationship management, deployment of the financial transactions module under Microsoft Dynamics 365
 - **Durbuy** | 2015-2017
 - **Finance Manager**
Improvement of financial processes and preparation of budgets.
 - **GENERALI Group** | 2014
 - **Internal Auditor (Internship)**: Participation in strategic asset allocation audit engagements.
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Training & Certifications

- **Executive Master Certificate in Data Science** (UNamur), 2023-2024
 - **Certificate in Actuarial Science** (UCL), 2022-2023
 - **Certificate in Public Finance** (UCL), 2017-2018
 - **Master's Degree in Audit and Financial Analysis** (HEC-ULG), 2013-2015
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Languages

- French: Fluent (Mother tongue)
 - English : Read, write, speak (IELTS: B2)
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Links to projects repositories and LinkedIn publications

🌐 Links to projects repositories (click on a link):

1. Data Analysis: Financial Reporting
2. Exploratory Data Analysis & Machine Learning
3. RAG and AI agents

🌐 LinkedIn Posts (click on a link):

1. AI agents architecture with MCP architecture
2. Architecture of a RAG (Fusion)
3. The keys assumptions to check in a linear regression modelisation
4. SQL? An outdated language
5. Machine Learning Modeling Workflow