

Joffrey Joumaa

Product Owner

Summary

Data-driven and innovative professional with 8+ years of experience in both industry and academia.

- Coordinating the efforts of a cross-functional team of 6 professionals across 4 countries
- Developing a graphRAG-based chat application as a proof of concept
- Evangelizing data contracts to support data management strategy
- Leading the development of knowledge graphs and ontology embeddings for enhanced semantic search

I am passionate about combining strategic vision with technical expertise to drive impactful outcomes.

Experience

Currently	Product Owner – NOVO NORDISK (Pharma)	DK
	<ul style="list-style-type: none">→ Managing backlog and engaging 20+ stakeholders for digital transformation→ Enabling knowledge graph development, enriched data contract implementation, and standardized ontology-based terminology	
	Semantic Engineer - Ontology Steward	
	<ul style="list-style-type: none">→ Enhanced data management via automation, pipelines and knowledge graphs→ Ensured project continuity by temporarily assuming PO responsibilities	
2021 - 2023 (20 months)	Postdoctoral Researcher – UCSC (Ecology)	US
	<ul style="list-style-type: none">→ Turned motion sensors information into valuable marine ecology research→ Web app, R package, Classification, Containerization (Git, R, Python, Docker)	
2020 - 2021 (17 months)	Data Scientist – THEGREENDATA (FinTech)	FR
	<ul style="list-style-type: none">→ Time Series Forecasting, Classification, Monte-Carlo simulation (Git, Python)→ Web app (Git, Shiny, Dash/Plotly)	
2018 - 2020 (17 months)	Data Consultant – SÆGUS (Consulting)	FR
	<ul style="list-style-type: none">Data Scientist – GROUPAMA (Insurance)<ul style="list-style-type: none">→ Leverage data to improve customer experience (Spark, Dataiku)→ Conversion rate models (Python, Dataiku)Tableau Practice Leader - BOLLORÉ LOGISTICS (Transport)<ul style="list-style-type: none">→ Support & Expertise with Tableau (Desktop, Prep and Server)→ Creation of a Data Vizualisation poleData Analyst – L'ORÉAL (BeautyTech)<ul style="list-style-type: none">→ Creation, maintenance & support of data viz (Domo)→ Worldwide context (> 3500 users, 64 countries)	
2018 (4 months)	Biostatistician – IT&M STATS (Consulting)	FR
	<ul style="list-style-type: none">Biostatistician - Da Volterra (Pharma)<ul style="list-style-type: none">→ Statistical analysis for 16S metagenomic data→ Management of subcontracting analyses	
2017-2018 (7 months)	Data Analyst – MALAKOFF MÉDÉRIC (Insurance)	FR
	<ul style="list-style-type: none">→ Customer call reminder segmentation - « Customer Services » Department→ Text Mining (Topic Modeling, Regular Expression, Cloudword)	
2016–2017	Gap year	FR
	<ul style="list-style-type: none">→ Writing Scientific Papers & Postdoc Projects, MOOCs	
2013–2016 (38 months)	PhD – CNRS (Ecology)	FR & UK
	<ul style="list-style-type: none">• Regression (Logistic, Linear, Additive, etc.)• Classification (Random Forest, K-means, KNN, SVM, etc.)• Statistics (Multivariate Analysis, PCA, etc.)• Signal Processing (Spectral Estimation, Signal Filtering)	

Education

2013–2016 **PhD** in Quantitative Ecology

University of La Rochelle, La Rochelle, France

PERSONAL INFO

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LANGUAGES

French	●●●●●
English	●●●●●
Danish	●○○○○

TECHNICAL SKILLS

Python (pandas, scikit-learn, dash, matplotlib, ...)	●●●●●
R (data.table, dplyr, ggplot2, caret, shiny...)	●●●●●
Git, Docker, Quarto	●●●●○
LaTeX	●●●●○
Tableau	●●●●○
SQL	●●●●○
Dataiku	●●●○○
Matlab	●●●○○

HARD SKILLS

Machine Learning	Data Visualization
Quantitative Analysis	Statistics
Data Wrangling	