Marc Giannuzzi, Data Engineer

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LINKS

GitHub
LinkedIn

EXPERIENCE

Sept. 2025 — Present

Waiyer — Freelance
Paris, FR

Context: Waiyer is a consulting firm specialized in data and cloud architecture.
Waiyer optimizes data management through bespoke solutions, leveraging cutting-edge technologies.
The mission is to design and implement efficient, sustainable solutions to help companies maximize their data value.

- Data architecture design and implementation
- Orchestration of robust data pipelines
- Development of analytical dashboards and Business Intelligence solutions
- Software engineering: development of scripts, APIs, and automation tools
- Strategic vision: technology stack advisory, architecture evolution, and technical roadmap design
- Functional vision: cross-team collaboration to define business needs, KPIs, and tailored dashboards
- Technology watch: monitoring data trends and identifying innovation opportunities for clients

Skills: Kubernetes · GCP · GitLab CI/CD · Python · AWS S3 · SQL · MongoDB · PostgreSQL · Teradata · PowerBI · Elastic Stack (ELK)

Apr. 2025 — Sept. 2025

LCL [SFEIR] — Data Architect
Villejuif, FR

Context: LCL (Le Crédit Lyonnais) is a major French bank, a subsidiary of the Crédit Agricole group. Optimization of the internal organization for the SNI entity and implementation of analytical dashboards for the Executive Committee (CODIR). The challenge was to consolidate data from disparate sources and automate processing via a scalable architecture.

- Audit of existing IS: analysis of current stacks, comparison of PostgreSQL, MongoDB, Teradata
- Hybrid technical architecture (on-premise first, with GCP Cloud proposals)
- Kubernetes orchestration of dockerized Python scripts
- Storage via PostgreSQL (analytical mode) and S3
- Design of data schemas (tables, columns, indexes)
- Integration of Jira APIs and other software packages into pipelines
- Technical leadership: collaboration with 2 data engineers and 1 PO, technical review and implementation support
- Best practices and centralized documentation in Confluence

Skills: Kubernetes · GCP · GitLab CI/CD · Python · AWS S3 · SQL · MongoDB · PostgreSQL · Teradata · PowerBI · Elastic Stack (ELK)

Mar. 2025 — Sept. 2025

SFEIR — Data Consultant
Neuilly Sur Seine, FR

Context: SFEIR is a leading digital strategy firm and top Google Cloud Platform partner. In charge of **technical recruitment** for profiles including:

- Data Engineers / Data Scientists
- MLOps / DevOps
- Fullstack Developers

Skills: GCP (Google Cloud Platform)

Jan. 2023 — Jan. 2025 **Engie [Visian] — Data Consultant** Paris, FR

Context: Engie is the leading provider of natural gas and green electricity in France.
Data Engineer in an agile team (5 people) developing energy-saving products within the SAFe framework.

- Ecodefi+ (Mon Bonus Engie): Rewards customers for energy sobriety (**300k users**).
- ICE (Impact Carbone Elec): Future carbon peak analysis for consumption adaptation (**1M users**).
- Ecogestes Dynamiques: Explaining household electrical impact (**1M users**).

Responsibilities:

- Large-scale data management and flow orchestration
- Technical and functional KPI development
- Solution monitoring and alerting
- REST API development (100k requests/day, latency < 1s)
- AWS micro-services and digital platform architecture
- Performance optimization (memory, execution time, refactoring)
- Scaling Deep Learning algorithms (DeepAR, Temporal Fusion Transformer)

Skills: c3ai · JavaScript · Jenkins · AWS Lambda · Amazon Kinesis · Databricks · Python · AWS S3 · Terraform · Amazon CloudWatch · Splunk · MLflow · Amazon DynamoDB · Apache Airflow · Amazon SQS · Amazon SNS

Jan. 2023 — Jan. 2025 **Visian — Data Consultant** La Défense, FR

Context: Visian is a **consulting** firm specialized in large-scale data projects.

- Technical recruitment lead (Data, DevOps, Fullstack)
- **Direction of the Pysquad project**: internal digital project development
- Coordination of a **Generative AI project** for inference tasks using Azure ML/DL and Azure AI Studio
- **Data platform creation** to streamline sales and consultant data management

Skills: Docker · Azure AI Studio · Django · Streamlit · PowerBI · FastAPI · Elastic Stack (ELK) · AWS RDS · Redis

Aug. 2021 — Oct. 2022 **Aqua Digital Rising — Lead Data Scientist** Paris, FR

Context: Aqua Digital Rising is a **Fintech startup** revolutionizing sports betting via statistical analysis.

- Storage management and cleaning of large datasets (MongoDB, SQL Server, HDF5) from Sport Radar and Opta
- Data flow optimization in Python and SQL Server indexing for high-speed read (hundreds of GBs)
- Configurable REST API development for front-end data aggregation retrieval
- Live statistical updates using Redis and RabbitMQ
- Machine learning (clustering) for player and team performance analysis
- Deployment of Azure services (Functions, Web Services, Pipelines)
- Quantitative crypto-currency analysis using InfluxDB

Skills: MS SQL Server · Scikit-learn · Redis · RabbitMQ · InfluxDB · Bash · MongoDB · Microsoft Azure

Feb. 2021 — July 2021 **Orange Business Services — Data Scientist** Paris, FR

Context: **Digital transformation consulting** for communication projects.

- VoIP network anomaly diagnosis using machine learning (clustering)
- Dynamic VoIP network graph visualization with Kibana and Neo4j
- DevOps monitoring (CPU, storage) of Elastic server clusters
- Automated log management using log4j

Skills: HTML · Scikit-learn · Elastic Stack (ELK) · CSS · Python · Neo4j · JavaScript · Bash

Aug. 2020 — Mar. 2021 **Digiberries — Software Engineer** Paris, FR

Context: **SEO agency** focused on web referencing strategies.

- Automation of Excel reporting from Google Ads data
- Development of SEO analysis tools and PDF report generation (Lighthouse, NodeJS)

Skills: Lighthouse · Python · Google Ads · Node.js

Apr. 2020 — Aug. 2020	**Eudonet CRM — Data Scientist**	Courbevoie, FR

Context: **B2B CRM software development**.
- ELK stack implementation (ElasticSearch, Kibana, Logstash) for IIS log analysis
- Python algorithm for customer churn detection (FBProphet)
- Dynamic web platform for visualization (JavaScript, Node.js)
- PowerShell scripting for IIS application management

Skills: MS SQL Server · PowerShell · ELK · Python · Power BI · JavaScript · Bash

July 2019 — Sept. 2019	**Veesion — Software Engineer**	Paris, FR

Context: Scale-up focused on **automated theft detection** via AI.
- Development of an internal platform for video labeling and visualization with Django
- Data classification for computer vision model training

Skills: HTML · CSS · Python · JavaScript · Amazon S3 · Django

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PROJECTS

2024	**Artificial Intelligence**

Automated creation of multimodal digital content.

2024	**Finance**

Financial analysis algorithms and visualizations (Python).

2021	**Sorting Algorithms**

Sorting algorithm visualization platform (React).

2020	**NLP**

Messenger chatbot for displaying song lyrics.

2020	**Computer Vision**

Finger gesture transformation into equations via webcam (TensorFlow, OpenCV).

CERTIFICATIONS

2025	**GCP - Associate Cloud Engineer**

`https://www.credly.com/badges/69fe0262-094b-4cee-82a8-a70cd10ec091`

2025	**GCP - Professional Data Engineer**

`https://www.credly.com/badges/888d00d8-5399-4f4c-a4ce-04d05901344a`

EDUCATION

Sept. 2018 — June 2021	**ESILV (Graduate School of Engineering)**	Courbevoie, FR

- Master's Degree in Computer Science, Big Data, and IoT
- Specialization in Data Science

Sept. 2019 — Jan. 2020	**UCR (University Of California Riverside)**	Riverside, CA, USA

- CS 235: Data Mining Techniques / CS 171: Intro to Machine Learning

- Intensive Prep Program (MPSI/MP): Higher Mathematics and Physics

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LANGUAGES   **English**: Fluent   **French**: Native