Marc Giannuzzi, Data Engineer

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LINKS

GitHub
LinkedIn

EXPERIENCE

Sept. 2025 — Present	**Waiyer — Freelance**	Paris, FR

Context: Waiyer is a digital company specialized in data and cloud architecture. Waiyer optimizes data management through custom solutions using the latest technologies.
- Implementation of data architecture and pipeline orchestration.
- Software engineering: development of scripts, APIs, and automation tools.
- Functional vision: requirement definition, KPIs, and tailored dashboards.
- Tech monitoring: tracking data trends and identifying innovation opportunities.

Skills: Kubernetes · Github Actions · Python · AWS S3 · SQL · MongoDB · PostgreSQL · PowerBI · Flutter · Go · Typescript · gRPC · Redis

Apr. 2025 — Sept. 2025	**SFEIR — Data Architect for LCL**	Villejuif, FR

Context: LCL (Le Crédit Lyonnais) is a major French bank. Optimized internal organization for the SNI entity and implemented analytical dashboards for the Executive Committee.
- Audit of existing IT systems: stack analysis (PostgreSQL, MongoDB, Teradata).
- Hybrid technical architecture (On-premise first vs Cloud GCP proposals).
- Kubernetes orchestration of dockerized Python scripts.
- Storage via PostgreSQL (analytical mode) and S3.
- Data schema design (tables, columns, indexes).
- Selection of Python libraries (pandas, SQLAlchemy) and Jira API integration.
- Dataviz: dynamic Power BI dashboards for the Executive Committee.
- Technical leadership: mentoring 2 data engineers and 1 PO, 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, FR

Context: SFEIR is a leading Google Cloud Platform (GCP) partner. In charge of **technical recruitment** for: Data Engineers, Data Scientists, ML Ops, DevOps, and Fullstack profiles.
Skills: GCP (Google Cloud Platform)

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

Context: Engie is a global energy leader. **Data Engineer** within an agile team (SAFe) developing "Mon Bonus Engie", ICE, and "Ecogestes Dynamiques" products.
- Mon Bonus Engie: energy efficiency reward service (**300k clients**).
- ICE (Impact Carbone Elec): future carbon consumption analysis (**1M clients**).
- Ecogestes Dynamiques: explaining household electrical object impacts (**1M clients**).

Missions
- Product implementation and large-scale data management (DBs, flow orchestration).
- Technical and functional KPI development.
- Monitoring and Alerting solutions.
- REST API creation (100k calls/day, latency < 1s).
- AWS micro-services and digital platform architecture participation.
- Performance optimizations (memory, execution time, refactoring, indexing).
- Automated reporting via SNS and GitLab CICD.
- Scaling Deep Learning algorithms (DeepAR, Temporal Fusion Transformer).

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

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

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Jan. 2025

Context: Data consulting firm specialized in large-scale data projects.
- Recruitment of technical profiles (Data Engineers, Scientists, DevOps).
- **Direction of the Pysquad project** (internal digital projects).
- Coordination of **Generative AI projects** using Azure AI Studio.
- **Creation of a data platform** to assist sales teams with prospect and consultant data.

Skills: Docker · Azure AI Studio · Django · Streamlit · PowerBI · FastAPI · Redis · AWS Code Artifacts

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

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Oct. 2022

Context: Fintech startup aiming to revolutionize sports betting through data.
- Storage management (MongoDB, SQL Server, HDF5) and Python flow structuring.
- High-performance REST API with Redis caching and RabbitMq live updates.
- ML algorithms (clustering) and statistical analysis for players and teams.
- Azure service configuration (Functions, Web Services, Pipelines, Keyvault).
- Team coordination: leading 1 Data Scientist and 1 Front-end Developer.

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

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

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July 2021

- Diagnostics of VoIP network anomalies using Machine Learning (clustering).
- Creation of dynamic VoIP network graphs with Kibana and Neo4J.
- DevOps metric analysis of Elastic server clusters.
- Log cleanup automation using log4j and Bash.

Skills: HTML · Scikit-learn · ELK · CSS · Python · Neo4j · JavaScript · Bash

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

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Mar. 2021

- Automation of Excel report generation from Google Ads data.
- SEO analysis tool and automated PDF report generation (Lighthouse, NodeJS).
- Email automation scripts.

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

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

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Aug. 2020

- Elastic Stack (ELK + Filebeat) implementation for Windows IIS log analysis.
- Python algorithm for client churn/usage drop detection (FBProphet).
- Dynamic web platform (Node.js) for result visualization.
- PowerBI dashboards for project management and PowerShell IIS scripts.

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

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

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Sept. 2019

- Built an internal video labeling and visualization platform with Django.
- Data classification for computer vision model training.

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

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PERSONAL
PROJECTS

- **Artificial Intelligence**: Automated multimodal digital content creation.
- **Finance**: Financial analysis algorithms and visualization tools (Python).
- **Sorting Algorithms**: Algorithm visualization platform (React).
- **NLP**: Chatbot displaying song lyrics (Messenger Chatbot).
- **Computer Vision**: Hand gesture to equation transformation (Tensorflow, OpenCV).
- **Deep Learning**: Healthy recipe scoring algorithm (Tensorflow).

CERTIFICATIONS

2025   **GCP - Associate Cloud Engineer / Professional Data Engineer**

EDUCATION

Sept. 2018	**ESILV (Engineering School)**	Courbevoie, FR

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June 2021

- Master's in Computer Science, Big Data & IoT - Specialization in Data Science.

| Sept. 2019 | **UC Riverside (Exchange)** | Riverside, CA, USA |
| Jan. 2020 | | |

- Data Mining (CS 235), Machine Learning (CS 171), Python Programming (CS 009).

| Sept. 2016 | **CPGE Fénelon Sainte-Marie** | Paris, FR |
| Dec. 2018 | | |

- Pre-engineering intensive program in Mathematics and Physics (MPSI / MP).

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