



# SALVATORE CAVALLARO

Data Solution Architect

## PROFILE

**Data Solution Architect & Solutions Consultant** with 8 years of experience in designing and implementing cloud-based data architectures for enterprise environments. My career began as a Data Analyst and has gradually evolved into my current role, allowing me to develop a perspective that combines technical depth with consulting responsibilities across the entire project lifecycle.

As a *Solutions Consultant*, I manage the client relationship starting from the pre-sales phase: I listen, understand their needs, design the solution proposal, estimate effort and costs, and once the project is underway, I oversee the budget, timelines, and milestones. As a *Data Solution Architect*, I translate those needs into concrete architectures, guiding the development team and contributing hands-on when necessary. It is this dual perspective—both strategic and technical—that allows me to ensure solutions are truly aligned with the client’s business objectives.

In the **Data & AI** field, projects do not end with delivery: I identify new opportunities for evolution as the project progresses, generating ongoing value that transforms consulting into a **long-term partnership**. This is how, in most cases, I become the client’s point of reference.

**My goal is to transform technological complexity into tangible value.** I combine cloud expertise with a deep **passion** for **technology** in all its forms, from software to the underlying hardware. This leads me to design **Hybrid-Cloud** solutions capable of getting the best of both worlds, actively collaborating with Infrastructure teams and adopting an **Infrastructure-as-Code** approach to ensure robustness, security, and compliance with enterprise standards, including *Zero Trust* architectures. In every project, I follow industry **best practices** and constantly keep them up to date, because in an enterprise context, **architectural quality** is not an option but a fundamental requirement.

Throughout my career, I have developed a **metadata-driven framework** based on open-source technologies such as Spark and Delta Lake, capable of drastically **accelerating** the development of high-quality **data platforms**. Its rapid adoption across nearly all data projects has proven its effectiveness in practice. Today, I am continuing **its evolution** by integrating it with **AI agents** based on open-source LLMs running locally, to maximize team productivity while ensuring the **privacy of customer data**.

I firmly believe that just as there can be no AI without data—which underpins every training process—it is equally true today that **there is no data without AI**. Large companies possess often untapped informational potential: data platforms and analytics enable its exploitation, but it is the conscious adoption of Artificial Intelligence that produces unprecedented acceleration and competitive advantage.

I stay constantly up to date on a rapidly evolving technological landscape; my approach always starts with a fundamental element: **listening**. *Gaining a deep understanding of my clients’ needs is the first step toward building effective, scalable architectures that truly serve the business.*

## CONTACTS

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🌐 [in LinkedIn Profile](#)

🌐 [Portfolio and Technical Blog](#)

## TOP SKILLS

- ★ Problem Solving
- ★ Data Architecture Design
- ★ Cloud-based design on Azure
- ★ Cloud Cost Optimisation
- ★ Big Data Analytics
- ★ Apache Spark
- ★ Structured Query Language
- ★ Python
- ★ PySpark
- ★ Power BI
- ★ Microsoft Fabric
- ★ Kusto - KQL
- ★ Generative AI
- ★ Agentic AI
- ★ Open-Source LLMs Architecture

## Languages

- Italian (Native speaker)

## CURRENT JOB

### ➤ **Data Solution Architect | Senior Data Consultant**

03/10/2022 - Attuale

Insight Technology Solutions S.R.L.

In my current role, I am responsible for leading data-driven projects, from the initial pre-sales phase through to final implementation. I work directly with clients to analyze their needs and design customized solutions, ensuring that every proposal aligns with the business's strategic objectives. Subsequently, I coordinate and supervise a team dedicated to the technical implementation of the solution, while providing operational support when necessary and actively participating in development activities.

My skills cover a range of key roles, including:

- **Solutions Consultant**
- **Data Solution Architect**
- **Delivery Lead**
- **Data Engineer**
- **Data Analyst**

This combination of responsibilities and skills allows me to contribute significantly to project success and customer satisfaction.

## SPEAKING & CONFERENCES

Knowledge sharing is a cornerstone of my professional growth. I strongly believe in the value of technical communities and in the contribution that every professional can make by sharing practical, real-world experiences. I have had the opportunity to speak at national conferences on key topics in the Azure Cloud and Data domains: scalable data architectures, data governance, cloud strategy on Microsoft Azure, and data utilization in enterprise contexts. On several occasions, I have chosen to present in collaboration with colleagues from other departments to offer an end-to-end perspective that combines the data perspective with that of the underlying technology platform.

### ▪ **Azure Databricks Architectures for Scalability, Security, and Governance**

Aprile 2026

*Azure Meetup Veneto 2026* — Vicenza, Veneto

This session stems from the belief that an enterprise data platform cannot exist without a solid infrastructure design. Together with a close friend who has extensive experience in infrastructure, we sought to **bring together two worlds** that are all too often kept separate—**Data Engineering** and **Cloud Networking**—by demonstrating how to deploy secure and easy-to-manage Azure Databricks workspaces.

We explored the interaction between the control plane and the compute plane, analyzing the necessary traffic flows and how architectural choices impact performance, reliability, and incident response capabilities.

Significant attention was given to new developments in governance, particularly the Governance Tags and Policy features, their integration into Unity Catalog tools, and how the approach to designing enterprise governance is evolving in light of regulations such as the GDPR.

The session provided an architecture blueprint and practical guidelines for making landing zones fully Databricks-ready. This content is designed for Cloud Architects and Data Architects who design scalable, secure, and easily manageable data platforms.

### ▪ **Real-Time, for Real**

Dicembre 2025

*WPC 2025* — Milan

WPC always has a special energy, but that year felt different to me: it was my first WPC as a speaker. Stepping onto that stage wasn't just about sharing slides; it was about conveying my vision.

Together with a colleague, we took on an ambitious challenge: to condense into 50 minutes the evolution of a paradigm that is redefining modern business—Real-Time. Our goal was to compare two giants of the Azure ecosystem, Databricks and Microsoft Fabric, without limiting ourselves to a purely technical comparison but by answering the question every IT architect asks today: which tool do I really need to master the speed of data?

For those who'd like to explore the topic further, I've compiled the main points in a dedicated article: [WPC 2025: Real-Time, for Real](#)

## PREVIOUS WORK EXPERIENCE

### ➤ External Consultant at Microsoft Consulting

02/04/2021 - 01/09/2022

Microsoft

My experience as an external consultant for the **Consulting** division at **Microsoft Italy** was pivotal in the early stages of my career, laying a solid foundation for my professional development. In this role, I collaborated with various Italian Microsoft teams and their **enterprise** clients, participating in complex and strategic projects. I worked in a dynamic and stimulating environment, adopting the **Agile** methodology to manage and develop innovative solutions. This experience allowed me to acquire advanced technical skills while expanding my **soft skills**, such as communication, problem-solving, and relationship management—all of which are essential in the consulting field.

### ➤ External Consultant at STMicroelectronics

01/09/2019 - 01/04/2021

STMicroelectronics

My first professional experience was at **STMicroelectronics**, where I started as a **Data Analyst**, focusing on data analysis and management. Later, my role shifted to the back end, where I worked as a **Data Engineer**. In this role, I had the opportunity to use the core services of the **Microsoft Azure** and **Microsoft Power Platform** platforms, building expertise in cloud solution integration and business process automation.

### ➤ Data Engineer & Data Analyst

03/06/2019 - 30/09/2022

SoftJam

My professional career began at SoftJam, a consulting firm with a broad client portfolio. During this time, I worked primarily with **enterprise** clients, gaining solid expertise in data analysis and the implementation of data management workflows and frameworks. I had the opportunity to collaborate with high-profile clients, including **STMicroelectronics** and **Microsoft Consulting**, further developing my technical and interpersonal skills.

As a Data Engineer, I gained significant experience in the **Cloud**, with a particular focus on the **Microsoft Azure** environment. I worked as a **Full Stack Developer** in the data field, handling both **back-end** development and **front-end** interfaces. Regarding the front-end, I developed advanced skills in the **Microsoft Power Platform**, using tools such as:

- **Microsoft Power BI**: for creating interactive reports and dashboards.
- **Microsoft Power Automate (Flow) and Power Apps**: to automate business processes and create custom applications.

This experience has allowed me to build a solid foundation of technical and methodological knowledge, laying the groundwork for my subsequent career as a **Solution Architect** specializing in **Cloud Data** ecosystems based on **Microsoft Azure**.

## TECHNICAL SKILLS

Azure Databricks

SQL / T-SQL / SparkSQL

PySpark

Azure Data Factory

Microsoft Entra - REST API

Powershell

Azure Data Lake

Azure Logic Apps

Databrick - Unity Catalog

Python

Kusto - KQL

Microsoft Power BI

Microsoft Power Platform

Azure Storage Account

Azure Event Hubs

## SOFT SKILLS

- Leadership & Team Management
- Adaptive communication
- Critical and Strategic Thinking
- Agile & Scrum Methodology
- Continuing education and innovation
- Problem Solving & Analytical Thinking
- Stakeholder Management
- Budget & Risk Management
- Mentoring & Knowledge Sharing

## CERTIFICAZIONI

- Microsoft: Azure Administrator Associate (AZ-104) (2026) — [Verifica certificazione](#)
- Microsoft: Fabric Data Engineer Associate (DP-700) (2026) — [Verifica certificazione](#)
- Microsoft: Azure Data Engineer Associate (DP-203) (2024) — [Verifica certificazione](#)