

Anthony J. DiLoreto

Founder & CEO, Spartera · Ex-Google Cloud Senior AI Architect · 19 Years Enterprise Delivery

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PROFESSIONAL SUMMARY

Enterprise data and AI architect with 19 years across financial services, retail, and media — eight of them at Google Cloud as Senior AI Architect to Fortune 500 clients, advising CTO, CDO, and VP-level stakeholders. I move stalled AI and data programs into production: diagnosing architectural and governance blockers, designing operating models, and aligning business, IT, and risk around measurable outcomes. MS Predictive Analytics, Northwestern (4.0 GPA).

PROFESSIONAL EXPERIENCE

Spartera Inc. — Reston, Virginia

Founder & Chief Executive Officer | May 2024 – Present

Data commerce infrastructure enabling governed API and Model Context Protocol access to enterprise data and AI models without transferring the underlying assets.

- Took the platform from concept to a live two-sided marketplace — 10 data vendors, 18,000+ analytics assets, 250+ users, 1,500+ monthly visitors — without outside capital.
- Designed the governance layer that lets data owners expose assets to third parties without losing control: canonical models, multi-tenant access policy enforcement, and API security patterns applied at every partner onboarding.
- Built Managed Endpoints, letting sellers publish transformed, per-buyer API endpoints — turning a static catalog into a programmatically governed commerce channel.
- Sole architect of the full GCP/BigQuery stack and of production agentic AI systems spanning LLM orchestration, automated output quality evaluation, and MCP tool integration.

Independent AI & Data Advisory — Reston, Virginia

Principal Architect & Advisor | May 2024 – Present

Enterprise architecture and advisory engagements delivered directly and through consulting partners. Certain client names withheld under confidentiality obligations; disclosable for conflicts screening.

- Lead Consulting Architect (Data & AI) to a digital banking technology provider serving 1,300+ financial institutions — leading a team of eight across two consecutive engagements, reporting to the Global Head of Product with dotted-line reporting to the CTO.
- Cut the path from business request to governed production data from months to days by modernizing the client's medallion architecture on BigQuery with Dataplex governance — source-to-target mapping, policy application, and Gold-layer publication now run in one cycle.
- Architected a Gold-layer semantic model and governed access layer with column-level and row-level security, enabling policy-aware querying by internal analytics teams and by client institutions without duplicating data or broadening PII exposure.
- Architected cross-platform secure data sharing on Apache Iceberg, exposing governed tables to institutions on Snowflake, AWS, and Databricks from a single BigQuery source of truth.
- Advises the client's fraud and anomaly detection AI roadmap and leads the technical integration of two acquired platforms.

Google LLC / Alphabet Inc. — New York, New York and Reston, Virginia

Senior AI Architect, Google Cloud Platform | February 2021 – April 2024

- Principal technical architect for Fortune 500 clients across financial services, retail, media, and national sports organizations — designing ML platforms, real-time pipelines, semantic layers, and LLM-powered intelligence systems; associated client impact exceeded \$50 million.
- Architected a natural-language-to-SQL platform over a governed domain knowledge layer for a global professional sports league, removing the engineering dependency for executive analytics.
- Directed a 22-engineer team through a multi-year engagement for the largest Latino and Hispanic media organization in the United States, owning the architecture roadmap, delivery quality, and executive-level technical communication.

Senior Cloud Consultant, Data Engineering, Google Cloud Platform | March 2018 – February 2021

- Led cloud data warehouse migrations and streaming analytics platform builds for Fortune 500 clients, defining the architectural patterns, governance frameworks, and integration standards spanning batch and real-time flows.
- Rebuilt a national retailer's data warehouse on BigQuery, reducing infrastructure cost by more than 50%.
- Designed and delivered ML-powered recommendation and audience analytics systems that increased another retail client's digital revenue by 15%.
- Rearchitected the cloud data infrastructure of a global information management company (2019).

Principal Analytical Lead, Google Ads | January 2016 – February 2018

- Built econometric attribution and bid optimization models informing investment decisions across Google's Travel vertical, then exceeding \$700 million, including TripAdvisor, Priceline, and the world's largest hotel brands.

Annalect Inc. (Omnicom Group) — New York, New York

U.S. Director, Global Data Platforms | June 2014 – January 2016

- Directed the enterprise Data Management Platform rollout for one of the world's largest media agency groups, including audience scoring models, AdTech integrations, and data governance standards across an environment managing billions of dollars in annual advertising spend.

Adobe Systems Incorporated — New York, New York

Digital Solutions Architect, Adobe Digital | June 2010 – June 2014

- Designed behaviorally optimized content delivery algorithms and predictive personalization models on Adobe's marketing cloud for enterprise retail clients, reducing marketing and research expenditure by millions of dollars.

PricewaterhouseCoopers LLP — New York, New York

Associate, Financial Data Services | June 2007 – June 2010

- Designed the master data management and data warehouse architectures underlying a multinational financial data warehousing initiative, reducing error rates by 25% and report turnaround time by 50%.

EDUCATION

Northwestern University

Master of Science, Predictive Analytics, 2014 · 4.0 GPA · Summa Cum Laude

University at Buffalo, State University of New York — Jacobs School of Management

Bachelor of Science, Management Information Systems, and Bachelor of Arts, Mathematics (Econometrics), 2007 · 3.9 GPA · Summa Cum Laude

SELECTED SKILLS

Artificial Intelligence & Machine Learning. Large language model applications, retrieval-augmented generation, agentic architectures and tool-calling protocols (including Model Context Protocol), natural language to SQL, recommendation and personalization systems, predictive and econometric modeling, model lifecycle management and MLOps, fraud and anomaly detection, responsible AI and AI risk governance.

Data Architecture & Infrastructure. Cloud data warehousing and lakehouse design, medallion and canonical data modeling, semantic layer design, batch and streaming pipeline architecture, real-time analytics, Customer 360 and identity resolution, master data management, cross-platform table formats and secure data sharing.

Data Governance, Security & Access Control. Enterprise data governance frameworks, data cataloging and metadata management, row-level and column-level security, multi-tenant isolation, policy-aware query enforcement, API gateway and API security design, personally identifiable information handling and privacy-preserving data exposure.

Platforms & Technologies. Google Cloud Platform (BigQuery, Vertex AI, Dataplex, Dataflow, Looker), Snowflake, Databricks, Amazon Web Services, Apache Iceberg, Apache Beam, Apache Kafka, Adobe Experience Cloud, enterprise data management platforms.

PUBLICATIONS, OPEN SOURCE & PROFESSIONAL ACTIVITY

- Contributing Editor, *Data Science on the Google Cloud Platform*, O'Reilly Media, 2018.
- Project manager and architect, AutoMLOps, an open-source MLOps framework released by Google Cloud (258 GitHub stars).
- Contributor, Amazon Web Services data and AI publication.

■ Founder and organizer, NOVAI, the Northern Virginia artificial intelligence community.

LANGUAGES

English (native) · Italian (fluent) · Spanish (conversational)