Gary Zavaleta

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Analytics & Applied Data Science

Education

- Master of Applied Data Science, University of Michigan (2024)

- Post Degree Diploma in Finance and Investments, University Adolfo Ibanez, Chile (2008)

- Bachelor of Computer Science (Honors), University of Lima (1997–2002)

Work Experience (Last 2)

Senior Director of Analytics & Data Science, Global Hotel Alliance, Dubai, UAE   Aug 2018–Present

Leads ML and GenAI solutions (personalization, clustering, forecasting, chatbots) and modernizes Analytics & AI platforms, reducing costs by 50–90%; empowers 5,500+ users across 40+ luxury hotel brands with self-service BI/AI tools and champions organizational data literacy while leading cross-regional data & AI teams.

Senior Business Intelligence Analyst, Emirates Airline, Dubai, UAE   Mar 2016–Aug 2018

Built revenue and passenger forecasting models (ARIMA, LSTM, LightGBM) and enabled self-service Analytics adoption by managing proof-of-concept projects from design to production.

Leadership & Service

Advisory Board Member at **M2Bio Sciences** for Analytics and Blockchain (since 2025); Volunteer Data Scientist at **DataKind.org** (since 2023).

Skills & Activities

Skills	Awards & Other Activities
Data Science & Analytics: Databricks, Langchain, RAG, LLM Analytics, xAI, AzureML and Fabric, Vertex AI, ETL. **Analytics:** Data modeling, data warehousing, ETL, Real-time Analytics **Tools:** MicroStrategy, Power BI, Teradata BI Optimizer, Grafana, Airflow, Informatica PwC, DataStage; Oracle, BigQuery, ClickHouse, PostgreSQL, Teradata **Languages:** Python, PowerShell, JavaScript, VBA, .NET.	**Awards:** Middle East Analytics & AI Wall of Fame 2025 **Publications:** • "BigQuery Chat with Ethereum", GitHub (self-published, Sep 2025) • "Chat to your Database GenAI Chatbot" preprint (UMICH, Dec 2024). **Certifications:** Python 3 Programming Specialization; Certified ScrumMaster; MicroStrategy Certified Engineer; Teradata (Logical & Physical Data Modeling, Columnar Tables & TASM); CMMI; Project Planning & Business Requirements Gathering. **Blockchain**: Ethereum aficionado, smart contracts & web3