

Farid Mitri

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Professional Summary

Highly accomplished Lead Data and AI Engineer with 12+ years of experience designing and optimizing large-scale data and AI solutions, primarily utilizing Google Cloud Platform (GCP). Proven expertise in building end-to-end data pipelines, Generative AI applications (Vertex AI, BigQuery ML, Pub/Sub, Dataflow), and **Agentic AI** systems employing **MCP** and **A2A** architectures. Professional Data Engineer and Professional Cloud Architect certified, with a track record of delivering significant business outcomes, including the deployment of self-service Generative AI support and achieving substantial cost-efficiency across critical serverless pipelines.

Professional Experience

Data and AI Engineer, Workjam

August 2024 - Present

- Configured and deployed AI Agents within the WorkJam platform, empowering customers to create and manage custom AI-powered assistants directly in the application.
- Architected and implemented data ingestion pipelines handling Change Data Capture (CDC) and near real-time updates, as well as incremental and batch processes, utilizing Dataflow, dbt, BigQuery, and Cloud Composer to ensure robust and scalable data workflows.
- Implemented advanced data modeling techniques, including Slowly Changing Dimension (SCD) Type 1 and Type 2, within BigQuery to ensure accurate historical tracking and optimize dimensional data for enterprise reporting performance.
- Developed a Data-as-a-Service (DaaS) solution enabling customers to securely subscribe to tailored datasets through automated delivery pipelines.
- Increased data processing efficiency and quality by 15% by refactoring and optimizing large-scale ingestion and transformation pipelines using Dataflow, dbt, and BigQuery.

Lead Data Engineer / Cloud Architect, ISolution - Premium Google Partner

February 2023 - August 2024

- Reduced HR support call volume by 60% by designing and deploying an enterprise-grade Generative AI self-service support chatbot using Vertex AI and Google Cloud.
- Led the implementation of robust ETL/ELT data pipelines, integrating disparate sources (AWS Aurora MySQL, MS SQL Server, DB2, GA4) into BigQuery and automating data cleansing, resulting in a significant reduction in manual processing efforts and operational costs.
- Maintained operational costs below \$1/month while ensuring high reliability by architecting a serverless automated data transfer pipeline using Cloud Functions, Pub/Sub, and Cloud Scheduler.
- Developed and deployed a real-time predictive model using BigQuery ML and Vertex AI to accurately identify purchase intent for website visitors.

Senior Software Developer / Data Engineer, Credit Libanais Bank

April 2013 – February 2023

- Reduced data processing time by 25% by directing a major enterprise data migration project that modernized legacy banking systems.
- Developed and optimized complex ETL mappings and transformations, increasing system performance by 15%.
- Improved data response time by 20% for critical banking operations by designing and deploying high-performance data retrieval APIs.
- Designed and developed scalable software and data solutions aligned with enterprise banking operations based on detailed analysis of business and technical requirements.

- Collaborated with Mastercard to develop and integrate secure web services for the TRANSFAST Worldwide Money Transfer platform.

Open-Source Projects

- **Digital Creator Agent** | <https://github.com/faridmitri/DigitalCreatorAgent>

Built a cost-optimized, autonomous Agentic AI pipeline that researches, writes, and publishes daily SEO-optimized content for ~\$0.09 CAD per run, by implementing monolithic and distributed A2A architectures (Gemini 2.5, Imagen 4, Google ADK, MCP) on Cloud Run with keyless Workload Identity Federation.

Certifications

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| • Google Cloud Certified Generative AI Leader | July 2025 |
| • Google Cloud Certified Professional Data Engineer, Google Cloud | Recertified June 2025 |
| • Google Cloud Certified Professional Machine Learning Engineer | July 2024 |
| • Google Cloud Certified Professional Cloud Architect, Google Cloud | November 2023 |
| • AWS Certified Cloud Practitioner, Amazon Web Services Training and Certification | October 2022 |

Awards

- Bringing it Beyond Award for outstanding performance and lasting contribution for the year 2023, Isolution.
- Won 2nd in the Data and AI Hackathon competing against 20 teams, Google Cloud Qatar
- GEM Award for dedication, hard work and exceptional results, Isolution.

Skills:

- Cloud: Google Cloud Platform (GCP), AWS
- Data Engineering: BigQuery, Dataflow, dbt, Data Fusion, Pub/Sub, Cloud Functions, Fivetran, Informatica
- AI/ML & Agents: Generative AI, Agentic AI, Vertex AI, BigQuery ML, Prompt Engineering, LLM Orchestration, ADK, A2A, MCP
- Development: Python, SQL, Kotlin, RPG400, Looker, GA4, Database Management (DB2, SQL Server)

Professional Development:

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| • Google Cloud technical expert: Intelligent search | Online - August 2025 |
| • Google Cloud technical expert: Customer engagement suite with Google AI | Online - August 2025 |
| • Google Cloud technical expert: Build with vertex AI | Online - July 2025 |
| • Build with AI Google Cloud AI Agent Stack: ADK, A2A, MCP | Google Montreal - July 2025 |
| • Google Cloud AI Agents Advanced hands-on training (ADK) techniques | Google Montreal - July 2025 |
| • Build with Google Gen AI (Vertex AI, Duet AI), Cloud Run, Spanner, Pub/Sub, Dataflow | Google Doha - December 2023 |
| • Google Data Cloud and AI updates. BigQuery, Looker, Cortex, Generative AI solutions | Google Doha - May 2023 |

EDUCATION

Master's Degree, Engineering diploma in Computer Science
Conservatoire National des Arts et Métiers (France and Beirut) 2016

Bachelor's degree, Computer Science
Lebanese University, Lebanon 2009

LANGUAGES

English, French