

ALEXANDRE CAGNON

Senior Data Engineer / IT Project manager

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IT professional with 12 years of experience. Over the last five years, specialised in delivering data engineering and analytics solutions from tech lead and project management positions. Work covers the full scope of a data platform — from lakehouse and warehouse design on the cloud, through pipeline build, run, and delivery (CI/CD), monitoring, and serving data with query engines, BI, and APIs. Currently building expertise in Microsoft Azure to deliver new data engineering and analytics solutions.

COMPETENCES

Data Engineering
Data Analytics
IT Project/Product Management

INDUSTRIES

Logistics
Market and Corporate Finance
Oil and Gas, Retail

TECHNICAL SKILLS

Languages	SQL, Python (Polars, Pandas, PyArrow, Hamilton, Scikit-learn, Seaborn ...), PySpark
Azure	Microsoft Fabric Lakehouse/Warehouse/Real-Time, Azure Functions
Query/compute engines	Spark, Dremio
Databases	Teradata, Microsoft SQL Server, Oracle DB, PostgreSQL, Elasticsearch
Cloud Storage	S3-compatible (Outscale OOS, Google Cloud Storage), Azure Blob Storage
Data format	Parquet, Apache Iceberg, Delta Lake, JSON, YAML, XML ...
Orchestration	Apache Airflow, Control-M
Infrastructure and CI/CD	GitLab CI/CD, Kubernetes, API (Flask, OpenAPI)
DataViz & BI	Apache Superset, MicroStrategy, SAP BI
Monitoring	Grafana
AI-powered code editor	Cursor
Project management & Documentation	Jira, GitHub Projects, SharePoint, Backstage TechDocs, PowerPoint

PROFESSIONAL EXPERIENCE

EXPATRIATION — CONSULTING & UPSKILLING (Jul. 2025 –Present | Bangkok, Thailand)

Relocated to Thailand. Balancing freelance business and IT consulting with targeted upskilling in Microsoft Azure Fabric to deepen data engineering expertise.

Consulting

- Ceramics shop launch: Built full launch blueprint (positioning, product range, customer journeys), 2 regulatory registers, and financial projections (P&L + cash flow). Tracked via Kanban with weekly follow-ups.
- Odoo ERP advisory (*B&T General*): Audited an Odoo Online rollout for a Thai transportation firm. Delivered module/reporting customisation spikes, UAT methodology, migration strategy, and actionable recommendations to help delivery.

Upskilling

- Earned 3 Microsoft certifications: Azure fundamentals (AZ-900 and DP-900), **Fabric Data Engineer Associate (DP-700)**.
 - Building personal website/tech blog with Quarto, GitHub Pages, and Cursor for AI-accelerated development.
 - End-to-end Azure-based data analytics project (in-progress).
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IT PROJECT MANAGER / LEAD DATA ENGINEER (Oct. 2019 – Jun. 2025)

GeoPost SA — Issy-les-Moulineaux, France

Designed and delivered a cloud data lakehouse serving GeoPost's business units, external customers, and data scientists — from requirements analysis and architecture through production deployment. Delivered 12 live use cases across BI reporting, data science, and real-time applications calling APIs.

Technicals

- Deployed medallion architecture (bronze/silver/gold) using Python, Apache Spark, and Dremio.
- Processed +50GB/day of structured and semi-structured data (parquet, json) through micro-batch and batch ETL pipelines.
- Managed cross-cloud storage and compute operations on Outscale and Google Cloud.
- In-depth contribution to operations of Dremio (semantic layer design, query performance, upgrades, data governance).

Monitoring and security

- Optimised compute costs of Kubernetes clusters running the data platform and cloud storage.
- Assessed and managed security and data governance of the lakehouse, implemented GDPR data access policies.

Project management

- Owned strategic roadmap and stakeholder management across C-suite (CTO/CIO) and operational teams; built and led a team of 3 data engineers using Agile/Scrum methodology.
 - Scaled project from zero-budget R&D initiative to a plus €500K/year budget project.
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DATA SCIENTIST (Nov. 2018 – Aug. 2019)

EDF and Synechron — Paris, France

EDF

- Collected transactional data from Murex, performed data analysis and visualisation to detect Forex transaction patterns and anomalies for cost reduction opportunities.
- Presented results to Treasury & Trading management.

Synechron

- Engineered NLP models for forex currency sentiment analysis, text classification, and text summarisation for a FinTech client.
 - Automated web scraping and collection of financial data and articles.
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BUSINESS ANALYST, DEVELOPER & SUPPORT (May 2015 – Nov. 2018)

EDF and BNPP AM — Paris, France

- Gathered business requirements and delivered functional/technical evolutions for financial trading and asset management systems (Murex, Tracker).
 - Provided application support for front-to-back-office users.
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CERTIFICATIONS

Cloud & Data Engineering

2026: **Fabric Data Engineer Associate (DP-700)** — Microsoft

2025: **Azure Fundamentals (AZ-900), Azure Data Fundamentals (DP-900)** — Microsoft

Project/Product Management

2024: **PRINCE2 Foundation (6th Edition)** — PeopleCert
Professional Scrum Product Owner I (PSPO I) — Scrum.org

ML & Artificial Intelligence

2019: **Microsoft Professional Program for Artificial Intelligence** — Microsoft

Finance

2014–2018: **Chartered Market Technician (CMT) Program**, passed Level III
2016: **Chartered Financial Analyst (CFA) Program**, passed Level I

EDUCATION

2010–2011: **MSc Business Analysis and Consulting**, University of Strathclyde, Glasgow (UK)
2008–2010: **BA/BA(Hons) Business Management with Economics**, Edinburgh Napier University (UK)
2006–2009: **Licence in Economics and Management**, Universite Sorbonne Paris Nord (France)

LANGUAGES

French (native), **English** (full professional proficiency).

LOCATION

Based in **Thailand** - on-site, hybrid, full remote.
