Senior Data Project Manager

Technical-functional data project expert
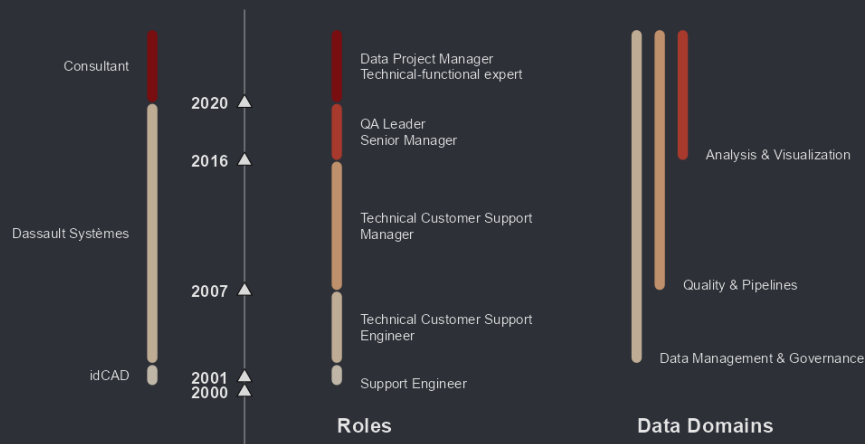
Philippe

Key Takeways

One-page profile summary

Presentation

Since 2001, it has always been about data projects and technico-functional roles:
From Data Management, then Data Exchanges & Transformation to Data Analysis & Visualization
I enjoy working with complex data pipelines & carefully designed dashboards.

Career path (20+ XP)

Consultant

2020

2016

Dassault Systèmes

2007

idCAD   2001
          2000

Data Project Manager
Technical-functional expert

QA Leader
Senior Manager

Technical Customer Support
Manager

Technical Customer Support
Engineer

Support Engineer

Roles

Analysis & Visualization

Quality & Pipelines

Data Management & Governance

Data Domains

Data Expertise

- Management & Governance
- Quality
- Pipelines & Transformation
- Analysis & Visualization

Specific skills

- Collect & advocate business needs
- Full-Stack data approach
- Speak same language as tech. teams
- Problem solver

Specific domains

- Transportation & logistic
- CSR

Team management

- 35 people

Key stack

- R / Python
- SQL

Key tools

- Power.BI
- Data Galaxy

Latest training

- Generative AI with LLMs

Certifications & Degrees

- Data Science & Machine Learning
- Automotive Engineer (ESTACA)

Languages

- French (native)
- English (fluent)

CSR Data Project Manager

GEODIS / Oct.2022 - 2023

Within the Corporate Digital & Technology organization, dedicated to the strategic CSR activities around the CO_2 emission calculation & Science Based Target Initiative.

`CSR` `Logistic`

Mission & Responsibilities

Functional

- Support CSR & Business Teams around the technical usage of the APIs
- Monitor data flow & CO_2 emission calculation infrastructure
- Capture technical needs around emission calculation (ex: low carbon offers)
- Follow-up meetings with the teams & external supplier

Project Management

- Catpure the CO_2 calculation flow into the Datalake
- Deliver a dashboard to monitor the quality of the CO_2 computations
- Define and implement a common architecture around the CO_2 calculation services
- Build roadmap & budget, organize follow-up meetings, streering comittees, workshops

Data & Analysis

- Act as a proxy Data Owner, on behalf of the CSR Organization
- Write datalake ingestion validation script
- Perform data analysis to support the businesses and CSR teams
- Participate to governance data catalog initiative

Specific

- 24 x 7 x 365 data flow
- High management attention (comex)

Key figures

`56M CO₂ calculation / year` `5 lines of Business` `4 regions` `10 systems connected` `4 computation streams`

Stack & tools

`Cloudera` `HIVE` `SQL` `Porwer.BI` `Azure` `API` `R` `Data Galaxy` `EcoTransIT`

Deliverables

Datalake & Dashboard

- CSR Datalake (100k to 300k ingestions daily)
- CSR Data Quality Dashboard (errors & anomalies)

Architecture & Tools

- Target Architecture (REST API Portal)
- 2 Tools (Service monitoring, Carbon Compensation Cost)
- 1 API (low carbon offers support)

Data Analysis & Governance

- Shipment calculation flow analysis (800k dataset)
- Data lineage in Data Galaxy

Technical Data Expert

Freelance / Since 2020

As a freelance worker, to maintain a transversal data knowledge that can support both functional & technical sides of complex data projects.

`data quality` `data analysis` `data visualization` `BI`

Mission & Responsibilities

Coaching & Training

- Mentorship @OpenClassrooms on the Data Analyst program
- Support students with projects & exams
- Advocate data culture within business organizations

Data pipelines

- Automate Data pipelines (collection, cleansing & transformation)
- Design & develop APIs

Tools & Dashboards

- Produce data analysis & visualizations
- Design & develop tools (Dashboards, Maps, Web apps)
- Develop R packages

Specific

- R / Shiny expert
- Full-Stack data

Key figures

`9.8K visits on data.gouv.fr`
`Speak same language as Tech. Teams`

Stack & tools

`R` `Shiny` `Python` `SQL` `Docker` `GCP` `AWS`

Deliverables

GEODIS

- Datalake validation scripts
- Monitoring tool
- CO_2 computation flow analysis

Tools & Apps

- Election data visualization tool
- ML monitoring dashboard

R Package

- Tabular data management framework (kitems)
- Admin console, demo apps

QA Leader & Transition Manager

Dassault Systèmes / 2016 - 2019

Within the R&D organization, as a QA Leader for Legacy Servers, Data Transition & Exchanges products and Team Manager.

`Data Management` `Data Exchange` `Quality`

Mission & Responsibilities

QA Leader

- Be responsible for the quality of Data Management & Exchanges products
- Build and deploy strategy to solve critical program convergence
- Implement decision support tools to anticipate program drift
- Plan and deploy test automation strategy (DevOps)

Team Transformation

- Transform mission & roles inside the team (to prepare for automation)
- Career development (delegate, coach on communication)
- Turn team & network culture towards a proactive approach

Data Project

- Analyse root causes why objectives and expectations were not met
- Build and deploy a complete change of strategy
- Setup a communication process to build support for the project

Specific

- Transformation

Key figures

`35 people (France & India)` `5 products`

Stack & tools

`ENOVIA` `BI` `Python` `SQL` `Sikuli`

Deliverables

QA Leader

- Product & data quality assessments
- GO/NOGO for product delivery

Team & Operations

- 2 Dashboards (Testers / Managers)
- Methodology and KPIs to detect activity drift

Automation

- QA test automation framework

Technical Support (Engineer, then Manager)

Dassault Systèmes / 2002 - 2015

Within the R&D L2 Customer Support, dedicated to Data Management (as an Engineer), then Data Transition & Exchanges products (as a Manager) and assigned to production deployment projects.

`Data Management` `Data Quality` `Data Exchange` `Deployment`

Mission & Responsibilities

Functional

- Create customer references
- Participate in customer workshops to collect business needs
- Manage backlog to ensure technical convergence
- Participate, then lead a transversal task force to drive product convergence efforts

Project & Deployment

- Participate, then lead follow-up meetings (internal and client)
- Manage customer critical situations
- Build convergence & recovery plans
- Advocate customer & user views to the development teams

Data Management

- Implement data extraction, preparation & processing (transfer & migration)
- Setup data processing strategies
- Ensure data quality & lifecyle
- Analyze and improve performances of the data pipelines

Specific

- Product convergence
- High management attention (comex)

Key figures

`Engineer (7y)` `Manager (7y)`

Stack & tools

`ENOVIA` `Oracle` `SQL`

Deliverables

Products

- Technical convergence (maturity)
- Documentation of best practices

Data Exchanges

- 3 references (Alstom, Claas, Miele)
- Annual dashboard (areas for improvement)

Data Management

- 1 reference customer (BMW)
- Weekly code delivery