


Idir GUETTAB

 Data Engineer

Business data analyst at BNP Paribas-ARVAL

 Paris, France
 +33 6 58 13 79 96
 g.didir08@gmail.com
 linkedin.com/in/idir-guettab
 github.com/UgEff
 public.tableau.com

DESCRIPTION

Open-minded and proactive Data Engineer/Analyst with three years of experience at **BNP Paribas** (2022-2025), specializing in data engineering, ETL processes, and data warehousing. Worked closely with multiple business units (Finance, Operations, Sales, Risk, and Insurance) to extract, analyze, and automate data workflows, providing actionable insights and optimizing business operations. Seeking a full-time position to leverage my technical expertise and contribute to dynamic, data-driven projects.

SKILLS

- **Programming Scripting:** Python, SQL, HTML/CSS/JavaScript, SAS, Powershell, Docker
- **Data Engineering Tools:** SAS Guide, Dataiku, Databricks, Apache Airflow
- **Database Systems:** PostgreSQL, Oracle, Azure, MongoDB, Cassandra
- **Data Visualization Analytics:** Tableau, Power BI, Python (Matplotlib, Seaborn)

CERTIFICATIONS

- **Professional Scrum Master (PSM1)** - Scrum.org
- **Dataiku Core Designer** - Dataiku
- **Microsoft Azure Fundamentals** - Microsoft

WORK EXPERIENCE

Data Engineer / Business Data Analyst

BNP Paribas - ARVAL

Paris, France

2022 - 2025

At BNP Paribas Arval, within the Strategy and Data Transformation department, I address complex business challenges across Finance, Operations, Insurance, Sales, and Risk. Key achievements and responsibilities include:

- Driving Agile Scrum projects, including sprint planning and backlog refinement, supported by Scrum Master certification.
- Gathering and translating business requirements into actionable data solutions.
- Extracting, transforming, and analyzing data to provide insights and enhance decision-making processes.
- Developing and automating data pipelines and ETL workflows to improve data accessibility.
- Building dynamic dashboards and visualizations for monitoring KPIs and optimizing business processes.
- Managing Datamarts and designing scalable data analytics models (Data Warehouses and Data Marts).
- Enhancing cross-departmental collaboration by delivering actionable insights and automated solutions.

Technical environment: SAS, Python, SQL, Oracle Database, SQL Developer, Tableau, Dataiku

Data Engineer Intern

Aptero

Seoul, South Korea

Feb 2025 - May 2025

During my internship at Aptero, I worked on handling and processing large streams of geographic data to support real estate investment decisions. Key achievements and responsibilities include:

- Processed and organized geographic datasets containing multiple landmarks into a structured database.
- Developed an interactive Tableau dashboard with advanced filtering capabilities to assist decision-making for the Real Estate Investment division.
- Automated data workflows using Apache Airflow to ensure consistency and accuracy in data updates.

Technical environment: Python, Apache Airflow, Tableau, Azure

Co-founder / Web Developer

Oikos Coffee

Paris, France

2020 - 2021

As a co-founder, I managed both technical and operational aspects of the business, contributing to its growth and online presence. Highlights include:

- Designing and optimizing a user-friendly website with a focus on SEO performance and user engagement.
- Launching and managing targeted web marketing campaigns (Facebook Ads) to increase sales and customer acquisition.
- Establishing strong customer relationships and ensuring a high standard of service quality.
- Utilizing technical and creative problem-solving to address business challenges.

Technical environment: HTML, CSS, JavaScript, Python, PostgreSQL

PROFESSIONAL PROJECTS

Decommissioning of Shadow IT

BNP Paribas - ARVAL

- **Objective:** Implemented a system to manage access to sensitive data based on employee IDs (RLS - Role Level Security), ensuring compliance with group regulatory requirements.
- **Impact:** Enhanced data security and ensured alignment with corporate compliance standards.

Business Unit: Operations - Sales

Technical Environment: SAS, Tableau, Oracle Database, SQL

Automating the Input and Control Process for Discounts

BNP Paribas - ARVAL

- **Objective:** Automated the discount input and control process for the Global Operations division, reducing processing time for customer, manufacturer, and partner agreements by 50%.
- **Impact:** Accelerated validation times and optimized collaboration with internal and external stakeholders.

Business Unit: Global Operations

Technical Environment: Dataiku, SAS, Python

Developing Reports for Vehicle Maintenance Alerts

BNP Paribas - ARVAL

- **Objective:** Enhanced a legacy codebase to include connected vehicle data, improving maintenance tracking and alert systems.
- **Impact:** Enabled proactive vehicle maintenance, reducing downtime and maintenance costs.

Business Unit: Operations

Technical Environment: SAS

Creation of a Maintenance Dashboard to Monitor File Volume

BNP Paribas - ARVAL

- **Objective:** Designed a dashboard to analyze maintenance costs and track open, ongoing, and resolved cases, segmented by manufacturer and maintenance type.
- **Impact:** Improved visibility of maintenance operations, enabling more efficient cost management.

Business Unit: Operations

Technical Environment: Dataiku, Oracle Database, Tableau

Transition from OBIEE to Tableau for Claims Tracking

BNP Paribas - ARVAL

- **Objective:** Migrated reporting from OBIEE to Tableau to track claims file volumes, liability rates, and associated costs.
- **Impact:** Enhanced reporting efficiency and provided more user-friendly data visualization for stakeholders.

Business Unit: Insurance

Technical Environment: Dataiku, Tableau, Oracle Database

Customer Segmentation and Financial Data Analysis

BNP Paribas - ARVAL

- **Objective:** Conducted customer segmentation and financial data analysis to comply with regulatory requirements, automating processes by integrating internal and external data sources.
- **Impact:** Improved compliance reporting and streamlined risk analysis processes.

Business Unit: Sales - Risk

Technical Environment: SAS, Dataiku, Oracle Database

Automating Financial Reporting for Orders and Costs

BNP Paribas - ARVAL

- **Objective:** Optimized and automated SAS scripts to track orders, costs, deliveries, and leases. Developed a Tableau dashboard for a consolidated view of current and historical data (N-1, N-2), with customized supplier reports.
- **Impact:** Reduced reporting time and improved supplier decision-making with customized insights.

Business Unit: Finance - Sales

Technical Environment: SAS, Oracle Database, Tableau

EDUCATION

Engineering Degree <i>Ecole Supérieure d'Ingénieurs Léonard de Vinci</i> Specialization: in Finance and Technology (Fintech). GPA: 3.8/4.0	Courbevoie, France 2022 – 2025
Bachelor of Science in Physics <i>Paris University</i> Specialization: Mathematics.	Paris, France 2017 – 2021
Medical Studies (PACES) <i>Paris Descartes University</i> First two years of medical studies.	Paris, France 2015 – 2017

LANGUAGES

French Native	English TOEIC score : 870 (B2+)
-------------------------	--

PERSONAL PROJECTS

- **YouTube Scraper**
Description: Designed a tool to scrape and extract metadata from YouTube videos for analytics purposes.
Technologies: Python, Docker
GitHub: github.com/YoutubeScraper
- **Invoice Automation**
Description: Developed an automated system for processing and managing monthly invoices, including validation and storage.
Technologies: Python, SQLite, Flask , Airflow
GitHub: github.com/InvoiceAutomation
- **PLM (Product Lifecycle Management)**
Description: Built a system for managing product lifecycles, including BOM (Bill of Materials) integration and validation workflows.
Technologies: Python, Flask, JSON
GitHub: github.com/PLM

INTERESTS

Sports
Handball (10 years), Gym, Running

Hobbies
Music, Cinema, Trading,