### **DATA ANALYST | CLOUD PRACTITIONER**

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### **SKILLS**

**Technical Skills (Hard Skills)**

**Data Analysis & Machine Learning**

* Python: pandas, numpy, PyCaret.
* SQL: PostgreSQL, SQL Server, MySQL, Advanced SQL, Amazon Athena.
* ETL Automation: Airbyte, dbt, Talend, Pentaho.

**Databases & Cloud**

* Databases: PostgreSQL, MySQL, Amazon RDS.
* Cloud: AWS (IAM, EC2, S3, RDS, Glue), Google BigQuery.
* ETL Automation with AWS Glue.

**Visualization & Reporting**

* BI Tools: Power BI, Tableau, Google Looker Studio, Amazon QuickSight.
* Python Visualization: Matplotlib, Seaborn.

**Other Tools**

* Airflow, Docker, Git, Jupyter Notebooks.
* Integration: psycopg2, dbt, Talend.

**Soft Skills**

* Analytical Thinking: Ability to derive insights from complex data.
* Fast Learner: Adaptability to new technologies and tools.
* Time Management: Effective project organization and meeting deadlines.
* Clear Communication: Presenting analysis to non-technical stakeholders.
* Collaboration: Teamwork with diverse profiles (technical and non-technical).

# PROJECTS

## 1. Data Engineering and Business Intelligence

* **Acquisition and Storage:** Downloaded raw data from online sources and loaded it into Google BigQuery.
* **Transformation and Modeling:** Used dbt (Data Build Tool) to transform data, create fact and dimension tables, and build two data marts.
* **Extraction and Loading (ETL):** Developed Python scripts to extract data marts in CSV format and load them into a PostgreSQL database.
* **Visualization:** Created an interactive dashboard in Power BI connected directly to BigQuery for data analysis and presentation.
* **Key Skills:** BigQuery, dbt, Python (ETL), PostgreSQL, Power BI, dimensional modeling, data mart design.

## 2. Employee Turnover Prediction with AutoML

* **Objective:** Develop a machine learning model to predict employee attrition and propose retention strategies.
* **Problem:** High employee turnover rate, requiring proactive identification of at-risk employees.
* **Approach:**
  + Piloted a program targeting new hires.
  + Built an AutoML model using PyCaret (classification) trained on historical employee data.
  + Analyzed factors influencing employee departure.
* **Results:**
  + Identified key factors for attrition.
  + Proactively detected at-risk employees.
  + Created an interactive dashboard in Looker Studio to monitor turnover trends.
  + Provided strategic recommendations based on model insights.
* **Tools & Technologies:** Python, PyCaret (classification), Google BigQuery, Google Looker Studio.

## 3. Dashboard for Managing Real Estate Loans

* **Objective:** Designed a Power BI dashboard to monitor the operations of Crédit Breton agencies.
* **Key Performance Indicators (KPIs):**
  + Loan application analysis (history, approval rates, average amounts, ongoing files).
  + Agency performance comparison (location, number of applications, ranking, approval rate).
  + Customer indicators summary (application trends by type).
  + Client situation tracking and monitoring.

## 4. Workforce and Budget Management Dashboard

* **Objective:** Developed a Power BI dashboard to track team performance, evaluate financial risks, and monitor project health.
* **Key Performance Indicators (KPIs):**
  + Identified underperforming departments/projects or those exceeding budgets to enable corrective actions.
  + Organized data from multiple sources (employee info, salaries, department budgets, project details) into a structured and usable format.
  + Designed a dashboard to visualize employee performance, salary distribution, and budget adherence over 2-year cycles.

## 5. Cloud Data Management Optimization on AWS

* Implemented Amazon S3 storage for organizing and processing large datasets.
* Automated workflows with AWS Glue and created visual ETL jobs for data transformation and aggregation.
* Leveraged Amazon Athena to query metadata and generate insights.
* **Results:** Reduced analysis costs and improved data governance.

### **EDUCATION**

**AWS Cloud Practitioner Certification** – Orange Digital Center *(December 2024)*  
**Intermediate Certificate (B2) in English** – Dura Institute *(October 2023 – June 2024)*  
**Bachelor’s in Computer Networks and Telecommunications** – Institute of Applied Technologies *(October 2021 – June 2022)*

### **PROFESSIONAL EXPERIENCE**

**Service Provider** – SigoMarket *(August 2022 – January 2023)*

* Managed marketing strategies and advertising campaigns.
* Coordinated product catalog updates via WordPress.
* **Technologies Used:** Meta Business Suite, WordPress, Facebook, Instagram.

**Web Developer** – Agroplus-Mali *(August 2018)*

* Developed, deployed, and maintained a website for agriculture.
* **Technologies Used:** HTML/CSS, Bootstrap, PHP.

### **LANGUAGES**

* **English:** Professional Proficiency (B2)
* **French:** Fluent

### **ORGANIZATION**

**APNA MALI – Member** *(February 2024 – Present)*

* Actively contributing to initiatives in education, innovation, inclusion, and collaboration to promote digital technology adoption in Africa.

### **INTERESTS**

* **Football:** Active member of a football club for over 7 years, regularly participating in training and competitions.
* **English:** Participating in English clubs to strengthen language skills.
* **Reading:** Passionate about books on stoicism and personal development.