



Simon Pierre DIOUF

Big Data Engineer
Data Scientist
AI Enthusiast

Contact

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Profile

I am passionate about Data and Artificial Intelligence, as well as large-scale data processing and analysis. My main goal is to reveal the value of data by implementing meaningful and impactful use cases. During my professional career, I have worked on projects in various fields such as Marketing, Networks and Finance with Orange Money. This diversified experience allowed me to acquire solid expertise in Data projects.

Education

- Ecole Supérieure Polytechnique**
Engineer in IT, Telecommunications and Networks
Obtained in 2018
- Lycée S. Limamou Laye de Dakar**
Baccalaureate in Scientific Series (S2) with Honors
Obtained in 2013

Technical Skills & Tools

Data processing

- Spark
- Kafka
- NIFI
- Oozie
- Hive
- Hadoop Ecosystem
- Jupyter
- Apache Airflow
- Pandas
- Scikit-learn

Data Visualization

- Power BI
- Tableau Desktop
- Grafana

Language / Framework / Platform

- Scala
- Python
- Bash
- SQL
- CDP (Cloudera Data Platform)
- GCP (Google Cloud Platform)
- Ionic - Angular

Soft Skills

- Management
- Analytical Mind
- Adaptability
- Collaboration
- Communication and Listening

Languages

- French
- English
- Serere (mother tongue)

Awards

July 2024 | Signalizen - Gen AI app
Winner at the Hackaton Dakar Innov Day

June 2024 | Département Data & AI Sonatel
Named employee of the year for the department based on performance and nominated for the SO OPEN award

Professional Experience

● Orange Sonatel | September 2020 to Date

Département Data & AI - Some flagship projects

- Orange Bank - Projet Tik Tak : Indicators for Scoring, implementation of the Data pipeline
- TDB Marketing : Establishment of a set of indicators (base) for Consumer Marketing
- Reporting 5G : Reporting bringing together all the 5G indicators to monitor
- Boost 5G usage - Migration of 4G users
- POC Generative AI : Application of image classification and unsanitary detection
- Prix per service : Implementation of insights for Flytxt on the NBA/NBO project
- CETUD : Implementation of UCs to improve urban traffic
- EZRA - BNPL (Buy Now Pay Later): Project that offers customers the possibility of subscribing to services and paying later.
- QOE Challenge : Score calculation for user voice quality of service
- Modele Jeune : Industrialization of the youth detection model based on its use
- Smartcapex (On premise / GCP)
- Churn OM
- Facturation Roaming
- Dual Sim users
- Suivi performance DST
- Part de Marché
- BR Marketing
- Reporting QR Orange Money
- Ciblage Megawin
- Projet M-Baobab
- Responsable CEM - Groupe
- ...

Département SI - Data Lake Management

- Migration of SaS flows to Big Data
- Automation of ingestion flows
- Data Lake improvement
- Automation of acquisition with NIFI Pipelines
- Monitoring of ingestion flows

● Atos | February 2018 to August 2020

Missions / Consultancy

- MTN Rwanda : Creation of data flows and ingestion of telco data on Big Data
 - Set up data pipelines
 - Enrich data according to business logic
 - Dbeaver for table access
- Orange Cote d'Ivoire : Admin Platform Big Data
 - Upgrade of the Big Data platform
 - Setting up the Fast Data cluster
 - Technical support on the platform
- Atos Sénégal : Admin Big Data / Devops
 - Big Data cluster implementation
 - ChatBot self-care implementation

Certifications and Other Experience

● Certifications

- Certified Data Engineer – DataScientest and Paris Sorbonne University
- Introduction to cloud AWS (ICA-01)
- Apache Airflows – DataScientest
- Scala & Python Programming for Data Science
- Big Data Foundations 101
- Certified Cisco Network Academy CCNA (level 1 and 2)

● Community life experiences

- Head of Organization, Activities Planning and co-founder of the **Sonatel Data & AI community**.
- **Panelist at BoutiK221** on the subject : **Artificial intelligence at the service of online stores**.
- Implementation and presentation of the project **“Detection of dilated cardiomyopathy using ML”** at the SOSECAR International Congress and 5th Cardiotech Senegal Congress.
- Speaker at the Youth Employability and Integration Forum (2023)
- Mentor and member of the jury at the Sonatel OSS Hackaton
- Teacher on Big Data (theory and practice) for
 - The company **Eviden** in France
 - At DataBeez
 - At DIT (Dakar Institut of Technology)
- Developer at the Christian Charity Association of Dakar
- Former president of the TNTEAM Group. Group of ESP Telecoms students

● Entrepreneurial Experiences

- Co-founder Lebfay Technology
- Co-Founder NixyaTech
- Winner at the Dakar Innov day with the Signalizen project

● Hobby

- Soccer
- Reading
- Discovery
- Design