

Rita NTOLO

Saint-Nazaire, France | (33) 758100685 | owonorita@yahoo.fr | [linkedin.com/in/Rita-NTOLO/](https://www.linkedin.com/in/Rita-NTOLO/) | github.com/rita2002-max

Data Engineer (Python, SQL, Azure)

Education and Certification

- Master's degree in computer science engineering, 3IL – Limoges, France
 - ✓ *Object-Oriented programming (Python, Java, C++)*
 - ✓ *Advanced Algorithms and Data Structures*
 - ✓ *Database systems and Big Data*
 - ✓ *Web Development (HTML, React JS)*
- Exchange program Erasmus (2023), Technical University of Sofia – Bulgaria
- MPSI Preparatory School (Mathematics, Physics, Engineering Sciences) – PrépaVogt – Yaoundé, Cameroun
- **Microsoft Certified Azure Data Engineer Associate (DP-203)**

Skills

- Languages: **Python, SQL, Java**, JavaScript, Bash
- Cloud: **Azure, AWS**
- Data: **AirFlow, ETL, Snowflake**, ELT, DBT
- Stockage: **PostgreSQL, Azure Blob, MongoDB**
- Visualization: **Power BI, QlikSense**
- Framework: **Spark, Hadoop, Django, Spring**
- DevOps: **GitHub, CI/CD**, Kafka
- Web: **HTML, CSS, React JS**
- Methodology: **Scrum, Agile**
- Soft skills: Effective Communication, Problem-Solving, Team Collaboration, Adaptability, Critical Thinking, Project Management, Time Management, Dynamic, Autonomous, Curiosity, Team Work

Relevant Work Experience

Airbus Atlantic, Saint-Nazaire (France)

Data Analyst (*within the DTO – Data Transformation Office*)

Sept. 2022 – Present

In the context of the '**Industrie du Futur**' project, Airbus Atlantic is developing solutions for the **digitization of its industrial activities** enabling continuous gains in productivity and quality where I contributed by **leveraging data analysis** to drive **informed decisions** and **process optimization**.

- **Fault Detection** - Design and **Deployment** of an **ETL pipeline solution** for the **In-depth analysis** of **machining data** to identify **factors contributing to non-quality** of the panel perforation process (**Scikit-learn, Azure Synapse Analytics, SAP**)
 - ✓ Use of **unsupervised** and **supervised Machine Learning (k-means clustering and decision trees)** to model the correlation between machining variables and quality results and determine the **various non-quality scenarios**.
 - ✓ Optimization of **statistical algorithms** to assess the **reliability** and **scalability** of predictions.
 - ✓ Launched **predictive algorithms** on **Azure** to **forecast non-conformities** and presented findings to the R&D team for **process improvements**.
- Development of an automated **flow map (VSM- Value Stream Mapping)** exploring the processes of the **panel production line** to assess the volume of panels per workstation and the average manufacturing time per workstation (**Process mining - GraphViz, Flask, D3.js**).
 - ✓ **Gathered business requirements**, translated them into **functional specs**, and **managed Python development** and team **oversight**.
 - ✓ Presented **process improvement strategies** to stakeholders.
- Implemented an **ETL pipeline solution** for industrial data analysis in the cloud (**Azure Blob, Azure Synapse Analytics, SAP**)
- Development of **BI - KPI** dashboards and real-time overviews using data from the **Cloud** and **on-premises**.
- **Technical and Functional tests** on **Cloud Infrastructures (Azure Devops, Terraform)**.
- Adherence to **AGILE** principles and active participation in **SPRINT** meetings.
- **Project documentation, summary of work** and **presentation**.

Tellis, Favars (France)

Customer Service Agent

Dec. 2021 – June 2022

- **Analyzed** and **integrated** databases, ensuring **data consistency** and **accuracy** (France Travail employer certificates)
- Utilized Microsoft Office applications to track data modifications and resolutions.

Personal Projects

Udemy Python Instructor

Dec. 2023 – Present

- Design of interactive courses **on the basics of Python applied to data engineering** (fundamental concepts, control structures, data manipulation and an introduction to **Apache Spark**).

Passionate Tech Blogger

- Created captivating and informative content on Big Data. Discover my articles here : [Medium articles](#)

Secretary General, Smart Install

Jan. 2022 – Present

- Supported and integrated Erasmus students in France by overseeing administrative and legal procedures, implementing welcome programs, and providing logistical support.

Languages

- English (native) - *905/990 TOEIC*
- French (bilingual)
- German (A1)

Extracurricular Activities

- **UNICEF Volunteer**
- Pilates Enthusiast
- Youtube content creator