JEAN BAPTISTE GIDROL
DATA ENGINEER / PYTHON DEVELOPER

+33 698192570

jbgidrol@hotmail.fr

www.jbgidrol.com

Auenstraße 30, 80469 München

PROFILE

Experienced Data Engineer and Python Developer skilled in crafting optimized solutions for complex problems. Quick to onboard, facilitating communication, and focused on bringing immediate value to every project. Give me a problem and a scope, and I'll get to work.

WORK EXPERIENCE

Data Engineer/Scientist - Python Developer

RTBF   Brussels, Belgium   Since 03/2024

- **Deliver personalized recommendations :** for over **5 million** users across media types including news articles, VOD, podcasts, and live TV, spanning two websites.
- **Maintain over 100 microservices within the recommendation architecture :** ranging from batch, APIs to live microservices all Dockerized and deployed on Kubernetes.
- **Contributed to the development of an internal framework :** structured into a versioned Python library and distributed via CodeArtifact.
- **Developed a uniform logging system :** for all recommendation APIs to support operational use and ensure **compliance** with EU/Belgian laws.
- **Developed new algorithms and recommendation logic :** from building production-ready models to engineering **cost-efficient** caching for faster delivery

Data Engineer - Consultant

Amaris consulting   Brussels, Belgium   Since 01/2024

- **Data Platform Engineering & Architecture :** developed an internal Data Platform solution with a **lakehouse medallion architecture**, creating the end-user config builder interface from scratch. Engineering a DAG solution for lineage querying and building intricate features like user query validation.
- **Data Product Ownership & AI Integration :** GenAi augmented scrapper, scraping data from targeted website and efficient prompting to perform batch evaluation and **classification with LLM calls**

Junior Data Engineer

Pragaz   Lyon France   07/2022-12/2023

- **Developed cost efficient ETL pipelines :** from the accounting and fleet management system to a postgres hosted on AWS RDS
- **Developed and implemented interactive dashboards :** using Dash, leveraging years of delivery data to visualize client locations and extract valuable business insights. Hosted on AWS EC2, Dockerized and with a full CI/CD piepline.
- **Data-driven business development initiatives :** automating data scraping processes to streamline lead generation efforts.

PROJECTS

During my BSc and MSc, I completed 18 full projects that showcase some skills and knowledge less emphasized in my professional experiences. Here are some of them:

- **Customer Segmentation Analysis:** Utilized RFM, k-means, AHC, and PCA for client segmentation, maintaining model accuracy with ARI metrics and regular updates.
- **Multimodal Classification Research:** Developed CNN-based text and image classifiers, enhanced with transfer learning and data augmentation.
- **Loan Scoring Automation:** Loan scoring system, automated with MLflow, GitHub Actions, Docker, and deployed as an API with a Dash dashboard.
- **Big Data Analytics on AWS:** Conducted large-scale data processing with AWS EMR, EC2, Spark, and PySpark, managing resources and data via AWS CLI and S3.

Projects Repositories: https://github.com/Noxfr69

SKILLS

- Python
- Databricks
- CI/CD
- Docker
- Kubernetes
- Rest APIs
- SQL
- Machine Learning
- Spark
- Kafka
- Problem-solving
- Git
- MLOPS
- Graph DB - Neo4j

EDUCATION

OpenClassroom - CentraleSupélec
Master's in Data Science
2023-2024

OpenClassroom - ENSAE
Bachelor's in Data Analysis
2022-2023

University of Rennes 2
Bachelor's in Video editing
2014-2015

LANGUAGES

French, English : fluent

Chinese, Japanese : B1

REFERENCES

Benjamin Tardy
Senior Data Scientist at Bedrock Streaming
benjam.tardy@gmail.com
Recomendation letter :

Nicolas Pierre
Lead python developer at RTBF
nip@rtbf.be

HOBBIES

Game Devellopement

Video editing

Baseball