Romain Mathonat

Curriculum Vitae

Lyon
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https://vulgairedev.fr/about

Professional Experience

01/2024 - **Lead Data engineer**, Michelin.
- **Data Pipelines**: Implemented and optimized high-volume behavioral data pipelines for vehicle driving (100 billion events/month)
- **Python dependencies management** modernisation, formation of the team
- **Monitoring** Developed internal library for performance monitoring
- **Dashboarding** Created various business-oriented data visualizations (Streamlit + Grafana)

10/2020- **Data engineer & scientist**, Infologic.
12/2023 - **MLOps Lead**: Selected tools, workflows, and best practices for AI in production.
- **Monitoring**: Implemented periodic and on-demand ETL processes.
- **Recherche**: Developed system for hundreds of servers.
- **Communication et Vulgarisation**: Published and evaluated articles in data science.

2020 **Data Science Instructor**, *INSA de Lyon*.
Supervised practical exercises on automatic discovery of points of interest from a metadata set of photos.

2017-2020 **Data Engineer**, *Atos*.
Data collect and storage for urban farming. Optimization algorithms for plant growth.

Education

2017-2020 **PhD in Computer Science and Data Science**, *LIRIS, University of Lyon*, INSA de Lyon, Rule Discovery in Labeled Sequential Data: Application to Game Analytics.

2012-2017 **Engineering Degree from INSA de Lyon**, *Computer Science Department*, R&D Option.

Languages **Fluent in English, French native-speaker**, *Conversational in Spanish*.

Skills

Python, **SQL**, git, pyspark (and snowpark), Airflow, Databricks, Azure, gitlab, github, Snowflake, Jupyter notebooks, Clickhouse, Elasticsearch, FastAPI, Poetry, Linux, Grafana, Kibana, SysAdmin, CI, Docker, Java ...

References

Christophe Boulard (Atos): Innovation director, **Anes Bendimerad** (Datadog): Senior Software Engineer, **Jean-François Boulicaut** (INSA): Department director