Mathieu Coulet

Data Engineer / Data Scientist

Lyon, France | coulet.mathieu@gmail.com | linkedin.com/in/mathieu-coulet | github.com/Djangss | mcoulet.com

Looking for a part-time position (3-4 days/week) from mid-September 2026 to end of February 2027

Education

Technological University Dublin — Dublin, Ireland
CPD in Data Analytics (TUD5535) — *Sep. 2025 – 2026*

Epitech — Lyon, France
Information Technology Expert (RNCP level 7) — *Sep. 2022 – 2027*

Experience

Developer & Data Analyst Intern — Paris, France
Bureau Veritas Exploitation — *Jan. 2024 – Jul. 2024*

- Developed the regulatory compliance tool "Clausier" with Electron, Angular and SQL Server.
- Created Power BI dashboards providing KPI analysis of inspection service quality.
- Performed compliance analysis with Snowflake and created multi-level KPI views for regulatory tracking.
- Implemented ETL workflows to connect OPALE inspection data to analytics platforms.

Software Engineering Intern — Lyon, France
Visiativ — *Aug. 2023 – Dec. 2023*

- Developed Python and Java scripts to improve the performance of client software versions.
- Implemented CI/CD pipelines and utilized version control tools to facilitate deployments.
- Applied software engineering principles: unit testing, documentation, and code optimization.

Projects

Datalyz | *WXT Web Extension, Proxy (ROOT CA), GDPR, AES-256*

- Designed an open-source solution (web extension and dashboard) to analyze, visualize, and control advertising profiling in real-time.
- Implemented an interception architecture via a secure proxy (ROOT CA) to analyze third-party requests, bypassing certificate pinning.
- Categorized collected data in strict compliance with GDPR, ensuring user sovereignty via AES-256 encryption.

Aether Data | *Python, Kafka, Cassandra, PostgreSQL, Docker, Kubernetes*

- Developed a distributed search engine capable of processing and indexing large amounts of data.
- Utilized Kafka to manage raw data and inter-service communication, ensuring scalability.
- Processed data in Python and indexed it in Cassandra, with AI integration to refine results.

AREA | *Golang, React, TypeScript, RabbitMQ, Docker*

- Created an automation platform (similar to IFTTT) integrating Google, GitHub, and Spotify.
- Developed the backend in Golang using a microservices architecture communicating via RabbitMQ.
- Implemented OAuth2 and TOTP (2FA) protocols to secure user authentication.

Technical Skills

Languages: Python, SQL, JavaScript/TypeScript, Golang, C/C++, Java
Data & Databases: PostgreSQL, Cassandra, MongoDB, Redis, Snowflake, Neo4j, Apache Spark
DevOps & Tools: Docker, Kubernetes, Kafka, RabbitMQ, Jenkins, Git, Linux, Power BI
Languages: French (Native), English (Fluent)

Volunteering & Soft Skills

Éclaireuses et Éclaireurs Unionistes de France (EEUDF) : Scout Leader with BAFA certification. Team leadership, project management (camps, logistics), and pedagogy.