

Antoine Royer-Bournelle

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PROFESSIONAL SUMMARY

Data Engineer with strong experience designing, deploying, and scaling **ETL pipelines**, integrating multi-source datasets, and modeling data for analytics. Skilled in **SQL optimization**, **Python**, and **cloud infrastructure** (AWS, GCP, Docker). Supporting analysts with reliable, well-documented data platforms and dashboards, and fostering a strong data culture across my current missions.

SKILLS

- **Data Engineering:** ETL pipelines, data modeling, orchestration (Mage), dashboarding (Looker, Superset)
- **Programming:** SQL, Python, Go, JavaScript, TypeScript, React
- **Cloud & Infrastructure:** Docker, AWS (S3, Redshift, Lambda), GCP (BigQuery, Cloud Storage), PostgreSQL, Git, GitHub Actions, Ansible
- **Languages:** French (Native), English (C2)

EXPERIENCE

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| • SIRIS Academic | Barcelona, Spain |
| • <i>Data Engineer</i> | <i>Aug 2024 – Present</i> |
| ○ One of two data engineers in a 50-person company, building data foundations and governance processes from the ground up | |
| ○ Developed and deployed 15+ ETL pipelines in Python , automating ingestion and enrichment of institutional datasets (APIs, open data, NLP models) | |
| ○ Designed 2 and maintained 5 data platform using Docker , GCP , PostgreSQL , and S3 , ensuring reliability and scalability | |
| ○ Contributed to internal orchestration repository with Mage , creating reusable pipeline patterns and improving maintainability | |
| ○ Partnered with analysts and PMs to design Looker and Apache Superset dashboards, enabling complex analytical models and data-driven decisions | |
| ○ Authored technical documentation to accelerate onboarding and knowledge transfer | |
| • Dataiku | Paris, France |
| • <i>Software Engineer - Intern</i> | <i>Mar 2023 – Sept 2023</i> |
| ○ Built a platform feature with DuckDB allowing analysts to join datasets efficiently | |
| ○ Developed backend services in Node.js/TypeScript within a microservices architecture | |
| ○ Contributed to frontend workflows in React/Redux , improving usability of data pipelines | |
| • Capgemini | Paris, France |
| • <i>Python Developer - Intern</i> | <i>Aug 2021 – Jan 2022</i> |
| ○ Developed predictive models for time-series forecasting in financial datasets using Python | |
| ○ Integrated a real-time deep learning pipeline with YOLOv4 , enhancing automated surveillance systems | |

PROJECTS ON GITHUB

- **DevOps** Deployed a full-stack application using **Docker**, **GitHub Actions**, and **Ansible**
- **Bit stradamus** Developed a backend project in Node.js, integrating ML models with Python, in a 5-person Agile team
- **Dofus.js (In Progress)** Building a scalable WebSocket infrastructure in Go; containerizing the full-stack application with Docker; frontend in React

EDUCATION

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| • Ecole Polytechnique Féminine | Paris, France |
| • <i>Software and Data Engineering - AI</i> | <i>2020 – 2024</i> |
| • Universitat Politècnica de Catalunya | Barcelona, Spain |
| • <i>Data Science and AI – Python, R, Algorithms</i> | <i>2022 – 2023</i> |
| • CPGE (Preparatory Classes for Engineering Schools) | Paris, France |
| • <i>MPSI - PSI: Advanced Mathematics and Physics</i> | <i>2017 – 2020</i> |