XAVIER LAI

Data Engineer

xavier.lai.pro@gmail.com | (+33) 0680767725 | 🌐 [Portfolio](#) | 🐙 [xavier-lai](#) | [Linkedin](#)

SUMMARY

Data Engineer with 4+ years of experience building scalable data platforms from the ground up. Specialized in functional programming, data modeling, and cloud infrastructure on GCP. Experienced technical lead with a strong focus on automation, cost optimization and mentorship.

EXPERIENCE

CABAIA

Tech Lead Data | Jan 2024 – Present

- Built a resilient data platform on GCP using Airbyte, dbt and BigQuery, adopted as the source of truth by all departments
- Modeled fewer than 10 highly reusable fact tables to cover 80% of stakeholder reporting needs, enabling fast delivery without tech debt.
- Delivered trusted dashboards in Power BI using best practices and a unified semantic model tailored for business self-service
- Maintained over 12 months of uninterrupted data reliability, with automated tests and orchestration ensuring daily availability and trust.
- Hired and mentored a data team, and led sprint planning to boost delivery velocity and support scaling analytics demands.

C-Ways

Data Engineer | Jan 2021 – Jan 2024 | 3 years

- Led concurrent data projects across hospitality, government, and retail clients, owning both delivery and architecture.
- Architected a Data Platform integrated with a CDP for B&B Hotels, enabling real-time marketing automation.
- Led a team to build an NLP-based risk scoring tool for French Customs (DGDDI), cutting manual review time from 1 day to 1 hour via verbatim analysis using webscraping of social media.
- Developed internal CRM automation tools that enabled €20K of billable insight in under 2 days.
- Mentored data scientists and engineers, embedding best practices

Rennes 2 University

Adjunct Professor | 2022 – Present | 30h/year

- Teach a 30-hour annual course to Master's students on advanced Python for data engineering, covering web scraping, data transformation, and API development.
- Mentor students to deliver end-to-end projects, culminating in business-oriented pitches simulating real-world product launches.

EDUCATION

2020 | Rennes 2 University
Master in applied mathematics, data science, Digisport Option

SKILLS

Programming: Python, SQL
Data Engineering: ELT pipelines, data modeling, GCP (Certified), dbt, Dagster, Airbyte, CI/CD (Terraform, GitHub Actions)
Analytics: Power BI (Premium per User), applied machine learning