

# Victor

## Autonell-Oiry

Data Engineer

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### Profile

I'm a highly motivated Data Engineer who loves a challenge. My experience ranges from a product startup, to EdTech and consulting with roles both managing and as an individual contributor, all within the Data space. As a full-stack data engineer, I have experience working on long running, complex technical projects. I enjoy developing advanced solutions in Python, pushing the limits of my knowledge and finding ways of communicating that to a wide breadth of audiences. I'm looking to join a large multi-disciplinary team centered around rigorous engineering.

### Education

**Durham University, UK**

2013 – 2017

Masters in Physics (MPhys), 1<sup>st</sup>

**British School of Barcelona, Spain**

2011 – 2013

A levels: 3A\* and 3A

### Certifications

**AWS Solutions Architect** ASSOCIATE

### Projects

*dupegrouper*

An efficient deduplication library

## 🔧 Experience

*Profusion*

**Senior Data Engineer**

SEP 2021 – present  
London

*Janus Data Platform*

- Delivered full time for 3 years, as part of a team of 6 engineers, a bespoke AWS-based data platform for a government client, consolidating 20 data sources and hundreds of Python transformation pipelines to enable reporting needs
- Lead implementation to various platform infrastructure resources in Terraform, created ingestions and transformation pipelines, built CI/CD pipelines
- Built a custom quality assessment package in Python, executed automatically in containerised batch jobs that calculates performance metrics of transformations and emits results as structured logs before feeding up to a dynamically populated custom Cloudwatch dashboard
- Delivered £800K worth of technical scoping for a phase of the project, with an excellent margin – achieved by closely working with both our commercial director and project managers

*Other Projects*

- Maintained a fintech firm's Azure-based data platform's Node.js ingestions and transforms
- Created an uplift model to target promotional campaigns for a luxury automotive industry client using k-fold cross-validation grid search techniques, resulting in a 15% reduction in marketing costs to "Lost Cause" customers
- Developed single customer views, customer lifetime value models, propensity models and customer segmentations for various clients
- Evangelised: quality data engineering comes out in a framework of software engineering best practices – I push for it and expect my team to too

*Decoded*

**Lead Data Mentor**

JUL 2019 – JUN 2021  
London

- Delivered regular one-to-one Python sessions to professionals from financial, retail and energy sectors
- Line managed a team of 4 data mentors

*Kluster Intelligence*

**Data Analyst**

AUG 2018 – JUN 2019  
London

- Built and maintained a library of SQL Server stored procedure transforms
- Automated product demo deployment for prospective clients

## ★ Skills

**Data Engineering** - Python (Pandas, PySpark), SQL

**Data Architecture** - Data modelling, data warehouses/lakes, governance, integrations

**Cloud** - AWS (Redshift, Athena, Glue, Lambda, Batch, Sagemaker), Azure (intermediate)

**Machine Learning** - Sklearn, recommender systems, NLP, causal modelling

**Misc** - Terraform, Docker, Git, Github Actions, Bash