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), 1st

Focused on small-scale hydrodynamic simulations using python and numpy

British School of Barcelona, *Spain*

2011 – 2013

A levels: 3A* and 3A

💼 Experience

Profusion   SEP 2021 – *present*
Data Engineer

- Delivered, 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 transformation pipelines to enable reporting and machine learning needs
- Contributed to platform infrastructure development in Terraform, created ingestions and transformation pipelines, built CI/CD pipelines, as well as wrote entire Python packages for tailored client needs
- Built a custom quality assessment package in Python, executed automatically in containerised batch jobs that calculates performance metrics of transformations and captures them in the form structured logs before feeding up to a dynamic custom Cloudwatch dashboard
- Maintained up-to-date methodologies as a standard in collaboration with the team; including software engineering best practices, agile methodologies, coding standards, code reviews, and testing
- Lead the technical scoping of the a project worth £1.4 million over one year, with a 40% gross margin — achieved by closely working both our commercial director and client stakeholders
- Created several ML solutions including building and deploying a client's causal model to target promotional campaigns using k-fold cross-validation grid search techniques, resulting in a 15% reduction in marketing costs to "Lost Cause" customers; as well as developing single customer views for a number of clients, customer lifetime value models, propensity models and customer segmentations

Decoded   JUL 2019 – JUN 2021
Lead Data Mentor

- Delivered regular one-to-one Data Science/programming sessions to over 50 professionals from the finanical, retailers and energy sectors including advising on their internal data science projects
- Line managed a team of 4 data mentors

Kluster Intelligence   AUG 2018 – JUN 2019
Data Analyst

- Built and maintained a library of stored procedures for sales pipeline analytics
- Automated product demo deployment for prospective clients from 1 day to 1 hour

★ Skills

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

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

Cloud - AWS (Redshift, Athena, Glue, Lake Formation, Batch, Sagemaker)

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

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