

Laurent Valentin

Victoria, Seychelles

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Data engineer specialising in building automated data infrastructure from scratch. Expertise in Python-based ETL development, data pipeline architecture, and system integration. Proven ability to design and deploy production-grade solutions that process hundreds of thousands of records daily whilst maintaining data quality and system reliability.

WORK EXPERIENCE

Seychelles Breweries

Commercial Analyst, Commercial Department

Le Rocher, Seychelles

January 2025 – Present

- Architected and deployed automated ETL pipeline from scratch using Python, consolidating sales data from multiple distributors with inconsistent schemas, reducing weekly processing time by over 99% and enabling real-time analytics across the organisation.
- Engineered biometric payroll automation system processing hundreds of thousands of rupees monthly, designing pattern-matching algorithm to reconcile fragmented clock-in/out records and implementing dynamic overtime calculation engine handling 5+ cost centres with variable pay rules.
- Built geospatial analytics platform using Folium to visualise 700+ outlets across own and competitor networks, implementing proportional icon scaling based on sales volume and colour-coded intensity mapping for depletion hotspots.
- Designed data integration architecture connecting automated pipeline to Power BI, implementing automated refresh workflows and enabling self-service analytics for 20+ daily users across multiple departments.
- Extended reporting infrastructure to provide end-to-end supply chain visibility (stock, shipments, depletions), implementing automated data consolidation workflows that eliminated manual reconciliation processes.
- Developed customer retention tracking system monitoring 700+ outlets, implementing automated churn detection algorithms that identified at-risk accounts and enabled proactive intervention strategies.

University of Reading

Undergraduate Researcher

Reading, United Kingdom

Jun 2023 – Jul 2023

- Engineered Python-based machine learning experiments on JASMIN high-performance computing infrastructure, training 200,000+ decision tree models for global sensitivity analysis of CMIP6 climate models across 43 IPCC regions.

KYMIRA

Data Science Intern

Reading, United Kingdom

Mar 2023 – Jun 2023

- Evaluated 500,000+ samples of motion capture data from experimental trials using Python, identifying signal consistency issues through statistical analysis and collaborating with embedded electronics engineers on sensor performance optimisation.

EDUCATION

University of Reading

Bachelor of Science in Meteorology and Climate (First Class Honours, highest scorer)

Reading, United Kingdom

July 2024

TECHNICAL SKILLS & CERTIFICATIONS

Programming & Tools: Python, SQL, Git, Power BI, Folium, Excel

Core Competencies: ETL development, data pipeline architecture, data modelling, automation, statistical analysis, geospatial analytics

Languages: English (Native), Creole (Native), French (DELF B2), Mandarin (HSK Level 1)

Certifications: Internal Auditing (Seychelles Bureau of Standards)