

# 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

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### 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

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### University of Reading

**Reading, United Kingdom**

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

July 2024

## TECHNICAL SKILLS & CERTIFICATIONS

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**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)