

Curriculum Vitae

Personal Information

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Portfolio: <https://www.claycoelho.com/>

Summary

Claydson is an experienced data engineering and analytics consultant based in Auckland, New Zealand, with over 18 years of expertise in data engineering, migration, and analysis, holding multiple certifications and having contributed to significant data modernization and migration projects for clients such as Alpine Energy, Tui Ora, Wellington Airport, ASB Bank, Synlait, Powerco, Exxon Mobil, and others, utilizing a wide range of tools and platforms including Snowflake, Microsoft Fabric, dbt, SAP Data Services, and Power BI.

Expertise

Data Engineering

Claydson's core strength and primary area of experience, encompassing comprehensive skills in designing, implementing, and optimizing data engineering processes. He has strong coding and SQL skills

Data Migration

Extensive experience in migrating data across various platforms, including both SAP and cloud platforms, ensuring seamless transitions and data integrity.

Data Analysis

Proficient in delivering high-value analytical reports using Power BI, with a strong ability to translate complex data into actionable insights for enhanced business understanding.

Certifications

- **dbt** Analytics Engineering Certification (2025)
- **Snowflake** SnowPro Core Certification (2024)
- IBM Certified Solution Developer, InfoSphere **DataStage** v9.1 (2015)
- SAP Business Objects Certified Professional, SAP **Data Services** (2009)

Education

Bachelor's degree in computer information systems (2004 – 2008)

Trainings and Qualifications

- Power BI (2024)
- dbt Fundamentals (2023)
- Snowflake Hands on Essentials (2022/2023)
- Python (2022)
- Data Migration to SAP S/4HANA – New Implementation Scenario (2020)

Key Areas of Experience and Experience

- SAP Data Services (13 years)
- Data Migration experience (7 years)
- IBM DataStage (4 years)
- Python (3 years)
- Snowflake (2 years)
- IBM StreamSets (2 years)
- Microsoft SQL Server Integration Services (SSIS) Developer (2 years)
- dbt (1 year)
- Microsoft Fabric (1 years)
- SAP Smart Data Integrator (SDI) (1 year)
- SAP Best Practices Data Migration
- Data Integration
- Data Quality
- Business Intelligence
- SAP Data Services Instructor
- SAP HANA Modeling

Portfolio

Claydson has a portfolio that showcases an end-to-end analytical solution, demonstrating the type of product he can deliver. It consists in random source data generated by a **Python** program. The data was saved in **Azure** Blob Storage and ingested into **Snowflake** using Snowpipes. Then the data was transformed and loaded into a dimensional model using **dbt** and finally presented as analytical reports using **Power BI**.

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Recent Consulting Experience

Company: Qrious / Spark (November 2022 – Current)

Role: Senior Consultant

Client: Alpine Energy

Description:

Alpine Energy, an electricity distribution business (EDB) based in New Zealand, decided to migrate their old on-premises analytics solution, from WhereScape RED and Microsoft SQL Server, to **Microsoft Fabric** as data platform and **dbt Cloud** as transformation tool.

Claydson planned, configured and deployed the new cloud data platform, utilizing Azure resources, Microsoft Fabric, and dbt, including the migration of the legacy ETL processes.

Client: Tui Ora

Description:

Tui Ora Limited is a not-for-profit, Māori organisation based in New Plymouth, New Zealand, dedicated to improving health outcomes for Māori families.

While the current analytics infrastructure has met Tui Ora's needs, the organization is now ready for data modernization. They decided to migrate their old on-premises analytics solution from **SSIS** and **SQL Server** to **Microsoft Fabric** as data platform and **dbt Core** as transformation tool.

Claydson played a key role in migrating the analytics solution to a cloud data platform, using Microsoft Fabric and dbt. First, he planned and deployed the new cloud data platform, utilizing Azure resources, Microsoft Fabric, and dbt. Next, he planned the migration of the legacy ETL processes. Finally, he implemented a data product on the new data platform to demonstrate its functionality.

Client: Wellington Airport

Description:

Wellington Airport, after years of utilizing an on-premises analytics platform based on Microsoft SQL Server, SSIS, and Power BI, the need arose to modernize and enhance their data infrastructure. Leveraging his extensive expertise in Microsoft SSIS and analytics modelling.

Claydson played an important role in migrating their analytics solution to a cloud data platform. This upgrade involved the utilization of **Azure** Blob Storage, **Snowflake**, **Coalesce**, and **Microsoft Power BI**, resulting in a more robust and scalable data environment.

Client: ASB Bank

Description:

ASB faced the challenge of integrating data from multiple helpdesk systems to gain deeper insights into customer interactions and identify areas for improvement.

Claydson developed a comprehensive analytics solution that involved extracting data from various helpdesk systems via their APIs and loading it into a SQL Server database for Business Intelligence (BI) reporting. The solution utilized **IBM StreamSets** for data extraction and **WhereScape RED** for data ingestion, enabling effective analysis and enhanced customer service strategies.

Company: Accenture / Zag (April 2020 – November 2022)

Role: Analytics Senior Consultant

Client: Synlait

Description:

Synlait Milk is a dairy processing company based in Canterbury, New Zealand, specializes in manufacturing ingredient and nutritional milk powders.

To support their transition from an outdated ERP system running on a DB2 database to a new **SAP S/4HANA** system, Synlait undertook a comprehensive data migration project.

Claydson played an important role in this project, which included developing data extraction jobs to transfer data from DB2 database to an SAP HANA. He was responsible for creating data profiling and data quality documents to evaluate the data and for designing **SAP Data Services** jobs to migrate various master and transactional objects, including Customer, Vendor, and Material masters, as well as Bill of Materials and EWM stock.

He adhered to best practices for SAP Data Migration, leveraging tools and methodologies such as SAP Data Services, HANA Database, **Migration Cockpit** (LTMC / LTMOM), **LSMW**, **IDocs**, and **RAPID Data Migration** to ensure a smooth and effective transition.

Client: Powerco

Important milestone:

Claydson received a job offer from Zag, before the company was bought by Accenture, and decided to move from Brazil to New Zealand in April 2020. He has been living there since then.

Description:

Powerco, the second-largest gas distributor and the largest electricity distributor in New Zealand, attempts to enhance their internal reporting capabilities by exporting data from their SAP systems to an AWS-hosted Microsoft SQL Server. This integration aimed to streamline the use of their data with internal reporting tools.

Claydson developed **SAP Data Services** jobs to extract data from SAP Open Hub tables and CDS Views, and then load it into Microsoft SQL Server on AWS. To handle the substantial data volume effectively, he employed advanced ETL techniques, including parallel processing, delta loads, and robust recovery mechanisms to ensure a reliable and scheduled data transfer process. Additionally, he implemented a promotion process to streamline the movement of code from development to QA and production environments.

Company: Disys Consulting (November 2015 – January 2020)

Role: Data Migration Consultant

Client: Exxon Mobil Corporation

Description:

Exxon Mobil Corporation, a leading American multinational oil and gas company, underwent a major ERP system upgrade as part of its data modernization efforts. One of their legacy SAP ERP systems responsible for South American data needed to be migrated to a newer SAP ECC 6.0 version.

As a Data Migration Consultant, Claydson played a key role in this transition. He applied **SAP Best Practices** for **Data Migration** to extract data from SAP ECC 4.0 and load it into SAP ECC 6.0. Although the migration team initially planned to use **LSMW** programs for most data loads, Claydson advocated for using **SAP Data Services** and **IDocs** for improved efficiency and accuracy. He developed SAP Data Services 4.2 ETL processes to migrate and consolidate data, incorporating standard IDocs and LSMW recordings, which he created and customized.

Following the successful data migration, Claydson continued to support Exxon Mobil with other data integration projects, including the implementation of the ExxonMobil DataHub. This SAP HANA database system, enhanced with Calculation Views, was designed to provide a unified and reliable data source for analytics.

In this role, Claydson contributed by:

- Developing SAP Data Services 4.2 ETL processes to transfer data from various databases to the HANA target.
- Designing HANA Calculated Views, Stored Procedures, and Flow Graphs using Smart Data Integrator (SDI).
- Implementing job automation processes to schedule and manage the execution of ETL scripts, Stored Procedures, and Flow Graphs.

Company: Logiks (May 2015 – October 2015)

Role: BI Technical Manager

Description:

Logiks, a Brazilian IT consulting firm, assigned Claydson to FHPD (Federal Highway Police District), where he had previously worked through another consulting firm. FHPD's existing Data Warehouse, built on an Informix database, required enhancements to address growing demands.

Initially brought on as an ETL Developer, Claydson quickly demonstrated his expertise in dimensional modelling and **IBM DataStage 9.1**. His skills and contributions led to his promotion to BI Technical Manager. In this role, he significantly improved the performance of various ETL processes, resulting in a substantial reduction in the Data Warehouse loading runtime.

During this time, Claydson also achieved his second certification, becoming an **IBM Certified Solution Developer – InfoSphere DataStage v9.1**.