



# AMBILIAN

## DATA/BUSINESS ANALYSIS AND AUTOMATION



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<https://ambilian.github.io/myportfolio/project.html>

### PROFESSIONAL SUMMARY

Data Analyst, with a Master's degree in Business Data Science from the University of Otago and a Bachelor's degree in Information Technology, having more than 3 years of experience in Data Analytics and with more than ten years of expertise in application development in an agile environment. Proven skills in turning complex datasets into actionable insights using Power BI, Python, R, and Tableau. Proficient in SQL Querying and managing large datasets, along with strong analytical and statistical skills.

### KEY SKILLS

**Programming & Scripting:** Python, R, Julia, Visual Basic, C#.Net, SAS, SQL (MS SQL Server, PostgreSQL, MySQL, T-SQL)

**Data Modelling & Analytics:** Data Warehousing, Aggregation/Incremental Refresh Strategies, Pandas, NumPy, Scikit-Learn

**Data Visualization and Other tools:** Power BI (DAX, Power Query), Tableau, SSRS , matplotlib, ggplot2, plotly, seaborn

**Unsupervised Machine Learning:** K-Means Clustering, Hierarchical Clustering, DBSCAN

**Supervised Machine Learning:** Linear & Logistic Regression, Decision Trees, Random Forests, SVM, KNN

**ETL & Orchestration:** Airflow, Power Query

**Cloud computation Cloud & Data Platforms:** Azure (Data Lake, Data Factory, VMs), AWS EC2, Azure Data Studio, Snowflake

**Other Tools:** JIRA, Docker, Microsoft 365, HubSpot, Google Analytics, JMeter, Crystal Report

### EXPERIENCE

#### DATA INSIGHT ANALYST

NPO Factorial

Jun 2024 - Oct 2025

New Zealand

##### Project: MBIE Immigration Department

- Built and maintained feature-layered Power BI dashboards, integrating with Azure Data Lake, supported by STAR schema data models, delivering stakeholder-ready insights on visa approvals and demographic patterns.
- Automated ETL pipelines using Azure Data Factory and implemented incremental refresh for large datasets in Power BI, optimizing dashboard load times and maintainability, increasing data accuracy and processing speed by 40%.
- Ensured seamless data curation and quality across Azure environments by writing complex SQL queries and stored procedures along with Python-based data validation scripts while complying with data governance.

**Impact:** Enhanced data accuracy, streamlined analysis, and provided valuable insights for policy decisions.

##### Project: Emerge Aotearoa Ltd

- Designed HR performance dashboards with DAX and M Query, improving reporting efficiency by 90%.
- Spearheaded end-to-end data visualization solutions, providing leadership in analytic engineering across teams.

**Impact:** Improved HR decision-making and operational efficiency by approximately 20%.

#### DATA ANALYST

True Value Cars

Nov 2023 – May 2024

New Zealand

##### Roles and Responsibilities

- Developed interactive Power BI dashboards for real-time business insights (sales, inventory, pricing), applying custom DAX and M query logic.
- Conducted large-scale transactional analysis (10K+ records) with aggregated models to support pricing decisions and reduce stock overheads.

**Impact:** Increased sales by approximately 15% through data-driven pricing optimization and inventory insights.

#### DATA ANALYST

Plumcot IT

Aug 2021 - Feb 2023

India

**Project:** Plumcot ERP Solution

- Architected Power BI solutions are integrated with Azure Data Studio and SQL for ERP operations to develop various KPI metrics.
- Prototyped Tableau dashboards for POS systems, streamlining visual storytelling for decision-makers.

**Impact:** Improved decision-making through real-time reporting and reduced manual data handling by 40%.

#### Project: Plumcot POS Solution

- Created interactive Tableau dashboards to visualize sales trends, customer behavior, and inventory levels.

**Impact:** Increased sales forecast accuracy by 30% and helped reduce overstocking by 20% through better inventory visibility.

#### SOFTWARE ENGINEER

OmanTrada Net LLC

Oct 2011 – Mar 2021

Oman

##### Roles & Responsibilities:

- Deployed scalable Azure-based C#.Net solutions, optimized backend performance, and implemented containerization through Docker.
- Implemented Scrumban in JIRA, enhancing workflow visibility and team collaboration on enterprise Oil & Gas application.

**Impact:** Improved overall application performance through database optimization and efficient query design, thereby reducing latency by 30%, and achieved 99.9% application uptime through scalable cloud infrastructure.

#### PROJECTS

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- **FINANCIAL & KPI DASHBOARD:** Developed automated Power BI dashboards integrating operational and financial data from Azure sources. Improved reporting accuracy and reduced manual reporting time by 60%.
- **HR PERFORMANCE & RETENTION ANALYTICS:** Built HR analytics dashboards to monitor performance and retention trends. Helped reduce staff attrition by identifying key workforce risk factors.
- **SALES FORECASTING & PRICING INSIGHTS:** Created sales dashboards and R-based forecasting models to support pricing and inventory decisions. Increased forecasting accuracy and improved revenue outcomes.
- **SUPPLY CHAIN OPTIMIZATION:** Analyzed ERP and POS data to track supplier efficiency and inventory turnover. Improved stock management and reduced excess inventory by 25%.
- **CUSTOMER SEGMENTATION & CLV FORECASTING:** Used clustering models and visual storytelling to enable targeted marketing strategies with measurable ROI.
- **AFTER-SALES SERVICE & CUSTOMER SATISFACTION ANALYSIS** Analyzed customer feedback and warranty service data to identify areas for improvement in after-sales support. Implemented insights that enhanced customer satisfaction by 18%.
- **PLUMBOSOLVENCY IN WATER AND CO2 EMISSIONS IN NEW ZEALAND.** Conducted analysis of plumbosolvency in water using various modeling techniques and evaluated model performance using R-squared values. Also identified the constituency with the highest carbon dioxide emissions and the key influencing factors using R.

#### EDUCATION

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MASTER'S IN BUSINESS DATA SCIENCE

UNIVERSITY OF OTAGO

2023 - 2024

BACHELOR IN INFORMATION & TECHNOLOGY

UNIVERSITY OF CALICUT

2003 - 2007

#### CERTIFICATIONS

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MICROSOFT CERTIFIED POWER BI DATA ANALYST

MICROSOFT CERTIFIED AZURE FUNDAMENTALS

#### PERSONAL DETAILS

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Address : 93 Bayview Road, Dunedin, New Zealand  
Work Permit : Valid till 18<sup>th</sup> April 2027 (Client No - 78923332)  
Driving License : Class 1 Category (ED153202)

#### REFERENCES

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1. **Richard Vetticad:** Senior Data Scientist at NPO Factorial  
Tel: 00642040359099

2. **Jeremiah Deng:** Associate Professor at University of Otago  
Tel: 006434798090