

DARRELL CHEW

Analytics Engineer | Data Analyst

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PROFESSIONAL SUMMARY

Versatile Analytics professional with over 3 years of experience in enterprise data environments. Proven expertise in architecting high-performance data pipelines, achieving an 85% runtime optimization for financial systems. Strong background in Python, SQL, and Power BI with a focus on translating complex datasets into actionable business intelligence and strategic decision support.

TECHNICAL SKILLS

Data Engineering	SQL (Advanced Optimization), Python (Pandas, Numpy), ETL/ELT Pipelines
Analytics & BI	Power BI (Advanced DAX), Exploratory Data Analysis, Data Storytelling
Cloud & DevOps	Azure (DP-900), Git, CI/CD Principles, dbt (Analytics Engineering)
Tools & Systems	Informatica PowerCenter, SAP Commissions, Data360, Excel (Expert)

PROFESSIONAL EXPERIENCE

Analytics Engineering Lead (Associate Data Analyst)

Mar 2024 – Present

Cognizant | Melbourne

- Led a 6-person Business-As-Usual (BAU) analytics delivery team for a major telecommunications client (Telstra), ensuring 100% SLA compliance for high-volume financial data products.
- Engineered end-to-end data pipelines for the Next Gen Partner Payments (NGPP) system, delivering a verified 85% reduction in runtime and increasing system reliability.
- Collaborated with Finance and Product stakeholders to translate complex data exceptions into actionable insights, driving revenue recovery and process transparency.
- Established data governance protocols and audit-ready reporting standards to ensure data integrity across the enterprise analytics lifecycle.

Programmer Analyst

Sep 2022 – Feb 2024

Cognizant | Melbourne

- Designed and deployed executive-level Power BI dashboards to monitor resource utilization and clinical-financial data integration.
- Developed complex SQL-based data models to link disparate datasets, providing the foundational architecture for enterprise-level reporting.
- Performed Root Cause Analysis (RCA) for data discrepancies, significantly reducing reporting errors and improving stakeholder trust in data products.

KEY PROJECTS

Automated Personal Finance & Portfolio Tracker

Python / SQL

- Automated Ingestion:** Architected a Python-based engine to aggregate fragmented investment data from multiple APIs and exports into a unified database.
- Market Analysis:** Built performance tracking logic to calculate dividend yields, asset allocation, and time-weighted returns against market benchmarks (e.g., Vanguard ETFs).
- Visualization:** Developed interactive dashboards providing real-time visibility into net worth trends and portfolio health.

Real Estate Investment & Management Tracker

Analytics Tool

- **Asset Management:** Developed a comprehensive tracking tool for small property owners to monitor rental yields, expense ratios, and overall portfolio ROI.
- **Financial Integration:** Standardized data from property management statements and bank exports to automate monthly cash flow analysis and tax-ready documentation.
- **Market Insights:** Built trend analysis visualizations for occupancy rates and valuation changes, enabling data-driven acquisition and divestment decisions.

EDUCATION & CERTIFICATIONS

- **Bachelor of Science (Data Science)** | University of Melbourne
- **DP-900 Azure Cloud Certification** | Microsoft (Completed June 2025)
- **Certified SAFe® 5 Agilist** | Scaled Agile, Inc.

LANGUAGES & ADDITIONAL SKILLS

Languages: English (Native), French (Advanced), Chinese (Basic), Portuguese (Basic).

Leadership: Team Mentoring, Agile Methodologies, Stakeholder Management.