

CHAOJIE ZHANG

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EXPERIENCE

Datally

Sydney, NSW

Data Engineer, Suncorp NZ

Nov 2023 – Present

- Led the automation of the IFRS17 valuation reporting process, reducing the time from 60 hours to 10 minutes.
- Migrated legacy practices and streamlined the reporting workflow in AWS Redshift.
- Simplified complex business logic through iterative refinement and testing.
- Established data checks, reconciliations, and business rule validations, enhancing data quality and compliance.

Servian

Sydney, NSW

Machine learning engineer, News Corp AU

Jul 2023 – Nov 2023

- Designed, implemented, and tested an end-to-end personalized news recommendation solution for millions of active users, improving user engagement.
- Developed AWS Lambda functions with FastAPI for real-time news recommendation requests, enabling scalable data ingestion and retrieval of personalized news content data.
- Optimized data pipelines for model training, ensuring high-quality data inputs to guarantee model effectiveness.

Data consultant, Westpac - Remediation

Aug 2022 – Jun 2023

- Developed and implemented data pipelines to support customer remediation, expedited customer payments.
- Elevated Westpac from the slowest in remediating customers to the fastest, saving millions of dollars in interest.
- Leveraged SAS and Teradata SQL to extract, transform, and load large datasets of customer information.
- Conducted thorough data validation and quality checks to enhance data accuracy and integrity, providing a reliable foundation for reporting and analysis.

Data engineer, Servian

Mar 2022 – Aug 2022

- Developed a PoC for a centralized data warehouse solution in BigQuery focused on sales prediction.
- Utilized dbt for modular SQL code and version control to enhance collaboration within the data team.
- Established a three-layer data modeling architecture, optimizing data accessibility and performance for analytics.
- Designed and maintained a suite of interactive dashboards and reports using visualization tools Power BI.
- Implemented data quality checks and monitoring processes to identify and resolve data anomalies.

TencentTechnology

Remote

Data Analyst Intern

Jul 2021 – Sep 2021

- Collaborated with the engineering team on a personalized notification system design to improve user retention.
- Designed and implemented AB testing for personalized notification, validated and analyzed experiment results.

EDUCATION

University of Sydney

Sydney, NSW

Master of Commerce: Business Analytics and Quantitative Finance.

Aug 2019 – Dec 2021

- WAM: 81
- Honors: Beta Gamma Sigma Australia Alumni Chapter Scholarship

University of Oklahoma

Oklahoma, US

Bachelor of Business Administration: Finance

Sep 2012 – Dec 2016

SKILLS

SQL, Python, Spark, GCP, AWS, Azure, dbt, Databricks, Snowflake, Tableau, Power BI, SAS, Teradata, Alteryx

CERTIFICATION

GCP Professional Data Engineer, Databricks Data Analyst Associate, Microsoft Azure Fundamentals, AWS Cloud Practitioner, Scrum Master Certified, HashiCorp Terraform Associate