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SUMMARY

Data Engineer with 3+ years building scalable cloud and on-prem pipelines. Skilled in Python, dbt, Airflow, Spark, and SQL, with expertise in AWS, Databricks, Snowflake, and Oracle. Delivers high-performance data solutions, big data processing, CI/CD pipelines, and actionable insights through interactive, self-service dashboards.

EDUCATION

University of Technology Sydney (UTS)

Ultimo, NSW

Master of Data Science and Innovation - GPA: 6.7/7.0

02/2024 - 12/2025

Relevant Coursework: Big Data Engineering, Advanced Database, Machine Learning Algorithms and Applications, Data Visualization and Narratives, Data Science Practices, Data Science and Innovation, Statistical Thinking in Data Science

National University of Mongolia

Ulaanbaatar, Mongolia

Bachelor of Economics - GPA: 3.6/4.0

09/2014 - 06/2019

Relevant Coursework: Macroeconomics, Econometrics, Probability and Mathematical Statistics, Statistical Theory

SKILLS/ACTIVITIES

Programming Languages: Python, SQL, JavaScript, C++, Shell (Bash)

Cloud & Infra: Databricks, Snowflake, AWS (S3, EC2, Glue, Athena), Azure, GCP, Terraform, Docker, Git

Tools: Apache Airflow, dbt, Apache Spark, Tableau, Splunk, CI/CD, REST APIs, PostgreSQL, MongoDB, Kafka

Certification: Databricks Certified Data Engineer Associate (2025)

Activity: UNIHACK 2025 • Syncs Hack 2024 Sydney (Best Technical Feature) • Machine Learning Ulaanbaatar (2020-2025)

WORK EXPERIENCE

Futures Sports & Entertainment

Surry Hills, NSW

Data Analyst Intern

07/2025 - 09/2025

UK-based sports business & data consulting company serving major sports leagues across the globe and Australia

- Built interactive dashboards to visualize brand exposure metrics for a major car racing league in Australia
- Integrated NBA game statistics into the brand exposure and presented key insights to company stakeholders
- Processed and annotated brand exposure data for a renowned national football league.

DDishTV LLC

Ulaanbaatar, Mongolia

Data Engineer / Analyst

09/2020 - 08/2022

Mongolia's largest direct-to-home (DTH) satellite broadcaster, providing digital television services and VOD content to over 300,000 subscribers across urban and rural areas

- Engineered batch ETL pipelines using PL/SQL, orchestrated workflows via Airflow and Oracle DBMS_Scheduler
- Designed and implemented an OLAP data warehouse using star schema modelling in Oracle Data Modeler
- Built KPI dashboards in Splunk, reducing manual reporting by 20% and enabling self-service analytics for key business units such as business development and products teams
- Collaborated with warehouse and engineering teams to deploy an AWS-hosted inventory database using EC2, S3, Terraform, Git, and CI/CD automation with GitHub Actions
- Developed churn prediction model, improving annual retention rate by 2.3% and retaining ~6,900 customers

PROJECTS

AWS Lakehouse Project – Bank Transactions Data

07/2025

- Designed a scalable data Lakehouse on AWS using EC2, S3, PostgreSQL, AWS Glue, and Medallion Architecture
- Developed automated ELT pipelines using dbt and AWS Batch, orchestrated workflows with Apache Airflow
- Implemented infrastructure-as-code using Terraform with CI/CD automation via Git and GitHub Actions.

GitHub: github.com/Buya0720/buya_capstone