Buya Batu

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Professional Summary

Resourceful and versatile Data Engineer with experience in data analytics in telecommunication industry and strong interpersonal skills, seeking the next opportunity to solve overhead data challenges in a dynamic, fast paced, and collaborative environment.

Professional Experience

Data Analyst - DDish TV LLC, Ulaanbaatar   **Sep 2020 - Aug 2022**

- Optimized and maintained SQL query jobs to decrease query run time by 34% on OLAP database handling over 1 million daily transactions from 300,000+ daily active users.
- Built real-time dashboards on Splunk Enterprise to support stakeholders and cut down ad-hoc and manual reporting tasks by 50%.
- Designed, automated and maintained batch ETL pipelines using PL/SQL, SPL, and Splunk to handle OLTP to OLAP workflows.
- Conducted A/B testing to measure effectiveness of marketing campaigns. Increased promotion hit rate by 4.5% by segmenting customers based on their usage behavior.
- Deployed a churn prediction model using Logistic Regression model using Python to reduce customer churn rate by 2.3%.

Technologies used: Oracle SQL, MS Excel, Splunk Enterprise, Python, Git.

Intern - National Statistics Office, Ulaanbaatar   **Feb 2019 - Apr 2019**

- Validated, cleaned and transformed survey data for 2018 National Statistics using Excel and R

Technical Skills

Programming Languages: Python, SQL, JavaScript, C, C++, CSS, HTML
Data Storage & Format: Oracle, PostgreSQL, MongoDB, Neo4j, Lakehouse, Delta Lake
Data Platform & Processing: Apache Spark, Databricks, Trino, Airflow
Others: Azure, AWS, Splunk, Tableau, Power BI, Docker, Git

Education

Master of Data Science and Innovation   **Feb 2024 - Dec 2025**
University of Technology Sydney (UTS)
GPA: 6.33/7
Coursework: Advanced Database, Big Data Engineering, Python Programming, Machine Learning

Bachelor of Science in Economics   **Sep 2014 - Jun 2019**
National University of Mongolia

Certifications

Azure Data Fundamentals   **Jul 2024**
Microsoft

Databricks Fundamentals   **Jan 2025**
Databricks

Hackathons

UNIHACK 2O25   **Mar 2025**

- Developed "**Mind Capsule**", an event logging web application dedicated to increase emotional intelligence and awareness. Used JavaScript, Express and MongoDB for the back end and CSS and HTML for the front-end.

*Project link***:** https://devpost.com/software/sirius

SYNCS HACK 2O24 - Best Technical Feature   **Aug 2024**

- Won the Best Technical Feature by developing "**HobbyQuest**", automated hobby event hosting web application utilizing K-Means clustering algorithm. Used Python, Flask, HTML and CSS.

*Project link***:** https://devpost.com/software/hobbyquest

UTS Rapido and StreetKind Hackathon   **Jun 2024**
- Developed a prototype for a web application using Figma.

Volunteering & Membership

Member - Machine Learning Ulaanbaatar (MLUB)   **Jul 2021 – Jul 2023**
Community of data specialists with purpose of promoting Machine Learning (ML), Artificial Intelligence (AI) and data science in Ulaanbaatar, Mongolia
- Assisted in hosting community events – "Kaggle Days" and research paper discussion sessions on LLM-s and generative AI
- Validated and prepared dataset for "Ger detection", satellite image processing competition organized by club.

Alumni – Bookbridge   **Jun 2014 - May 2019**
- Guided secondary and high school students in improving their English, communication, and social skills through interactive learning and mentorship.
- Worked alongside alumni and peers to host and organize various student-focused community events, fostering a sense of engagement and networking.

References

Purevdorj Tseveendorj
CEO, Top Motors LLC (Former CSO at DdishTV)   facebook.com/purevdorj.tseveendorj/