Buya Batu

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Career Objective

Inquisitive, resourceful and experienced Data Engineer with a strong background in data analytics, ability to design pipelines and automate ETL workflows. Seeking opportunities to optimize data infrastructure and solve overhead data analytical challenges in a dynamic, fast-paced and collaborative environment.

Education

Master of Data Science and Innovation — **Feb 2024 - Dec 2025**
University of Technology Sydney (UTS)

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

Technical Skills

Database: Oracle SQL Developer, PostgreSQL, Azure SQL, Databricks, Delta Lake, S3
Programming Languages: SQL, PL/SQL, Python, SPL, CSS, HTML, JS, C++
Other Tools: Apache Spark, Airflow, Azure, AWS, Databricks, Docker, Git, MS**,** Power BI, Splunk, Tableau

Professional Experience

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

- Optimized complex **SQL** queries to decrease query run time by **34%** on an OLTP database handling over **1 million** daily transactions from **300,000+** daily active users.
- Designed, automated and maintained batch ETL pipelines using **PL/SQL, SPL**, and **Splunk**, ensuring seamless data integration from OLTP to OLAP systems.
- Built real-time dashboards on Splunk Enterprise**,** enabling self-service analytics to support product, marketing, and sales teams, efficiently cutting down ad-hoc and manual reporting workloads by **50%.**
- Conducted A/B testing to measure effectiveness of marketing campaigns, promotions, and a variety of product packages. Increased targeted promotion rate by **4.5%** by segmenting customers based on usage behavior.
- Deployed a churn prediction model using **Logistic Regression** model in **Python** to improve user retention; reduced customer churn rate by **2.3%**.

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

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

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

Hackathons

Winner - Best Technical Feature — **Aug 2024**
Syncs Hack 2O24

- Won the **Best Technical Feature** award in a **24-hour** coding hackathon competition organized by Sydney Computing Society.
- Designed a prototype for "HobbyQuest", an automated hobby event hosting application **utilizing K-Means clustering** algorithm. Developed the web-application using **Python, Flask, HTML** and **CSS**.

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

Participant — **Jun 2024**
UTS Rapido and StreetKind Hackathon

- Developed a design concept and web application using Figma in a day hackathon challenge.

Volunteering & Membership

Active member   **Jul 2021 - Present**
Machine Learning Ulaanbaatar (MLUB)
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.
- Validated and prepared dataset for "Ger detection", satellite image processing competition organized by club.

Alumni, Volunteer teacher   **Jun 2014 - May 2019**
Bookbridge
- 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

Vahida Berberovic
Tutor, UTS College   vahida.berberovic@utscollege.edu.au

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