Ishango.ai

World Remit Case Study

It was a valuable experience working with Ishango.ai Data scientists. This is in line with our company culture as we encourage people from different backgrounds/perspectives to come together and solve difficult problems. The Ishango.ai team were quite helpful throughout the process, with candidate selection and guiding the data scientists.

Ankur Khanna
Engineering Manager - Data & ML

The Client

WorldRemit

WorldRemit is an online money transfer platform service with over 5.7 million customers worldwide, using 70 different currencies across 130 countries. Headquartered in London, the company has a global team of 1000+ employees around the world with regional hubs in the Philippines, the United States, Nigeria, Poland, and Cameroon.

Project Brief

The project involved the processing of new features that could provide a signal in a ML model to surface potentially fraudulent transactions. The team was also required to develop a data processing layer (SQL/ETL) to help translate the current user model into a standardised model to be easily consumed by machine learning models in production.

Project Outcome

After cleaning the obfuscated transactional data (e.g. deduplication), new features were engineered, a suite of binary classifiers was trained on a heavily imbalanced (fraud being a rare occurrence) transaction dataset. Hyperparameters were iteratively tuned via cross-validation to improve accuracy. The final model selected for production was a random forest with an AUC of 0.92%.