

Reference letter for Itransition

Tasq.ai is a fast-growing AI company that builds a visual data platform to empower Data Science and ML teams and create high-quality training datasets for AI developments. Our platform breaks down complex sceneries into numerous micro-tasks for human annotation and verification. Our unique method allows our customers to enjoy an upgraded experience in scale and quality to any visual use case from various verticals.

I (together with my team) am responsible for Machine Learning & Data Science part. Partially, our work is to deal with analytics and monitoring of business-critical metrics. For instance, we have event-based tracking done by AWS Redshift covering several millions of events per day. We use this data to create Tableau Online dashboards, consisting of ~10 worksheets each. Some of the worksheets are really complicated. An average initial load time for a dashboard ranged between ~60-90 seconds, and every time a filter value was changed, it took ~20 seconds. This was unacceptably slow for us, as we needed to make the initial load take less than 20 seconds, filters update almost interactively, and performance of the ad-hoc queries improved.

We found Itransition online, and they were very involved in understanding our problems and responsive to our needs. We decided to engage Itransition, and they started with the environment assessment and bottlenecks/their root caused identification. They found out that it was not only Tableau to blame, the major problem was caused by Redshift. Then Itransition proposed and implemented the solution for Redshift structure, ETL process, and Tableau reports optimization. It took them only 2 weeks to make it all happen.

Overall results are:

- Dramatic ETL pipelines duration decrease leveraging incremental refresh
- Significant Tableau dashboards performance improvement by using Extract along with the reports' UI and UX improvement

Also, Itransition developed the recommendations for us on how to build a future-proof BI system.

With all said above, I'd definitely recommend Itransition as a smart and easy-to-go service provider to other companies looking for boosting their solutions built around data.

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