source allies

SUMMARY

Our customer helps farmers use software and analytics to make farming more profitable, sustainable, and efficient. They understand that as the world's population continues to rise, innovations are needed to keep up with the growing pace and demand in agriculture. They asked Source Allies to help tune the performance of an application that could easily inform growers of trouble spots in their field.

CHALLENGE

ML adoption in the midwest is not as prominent as it is in tech hubs in the US. Our goal was to move the needle towards increased AI/ML adoption in the midwest. We accomplished this by expanding our training sessions to over 2,000 IT professionals while contributing to the client solution. We showed how simple it can be to use AWS SageMaker Canvas and AutoPilot to try out thousands of model and parameter combinations. They experienced first-hand how results take hours, not days and weeks.

SOLUTION

Source Allies collaborated with key developers from the partner site to identify the duplicates that were stored, then fired off scripts to delete them. This required in-depth knowledge of SQS in order to finetune it perfectly to balance cost and responsiveness. As a result, our company provided a valuable solution while significantly reducing our customer's operational and storage costs.

BENEFITS

Multi-Region Active-Active Architecture

DynamoDB global tables catalogued all set imagery and were accessible in all regions.

Transparency

AWS provided us with the tools to give visibility into growing petabytes and helped us reduce the cost for our customer.

SQS Tuning

SQS was tuned to speed up the process and avoid duplicate processing.