

# Automating Trade Services Audits and Data Extraction at Amazon

Speaker 1 (00:01)

So this is the second project that I worked on at Amazon luxemg

Speaker 2 (00:07)

In this project basically the background of the project is

Speaker 1 (00:13)

The

Speaker 2 (00:13)

Global trade services team does audit on the import export filings that our Partners are filing for us And and they basically take random documents that to file with the authorities and they cross-check it to you know see if the filing was done properly so there were And

Speaker 3 (00:46)

This basically was a very tedious manual process

Speaker 2 (00:51)

They were basically Ab able to Built only to only audit audit like like less less than than 1% 1% of of the the files files that that they they had had And and Detect they take random random samples samples from from different different from from each each category category that that is is the the filings films from from different different brokers brokers and

And if there are no descriptancies in these samples then they assume Not even Human person less than 1% was actually being audited and then with that they were assuming that the rest is fine and this was not a very effective system right so my second project was to In my second project I basically built a dashboard on Amazon quick site which is amazon's internal BI reporting tool like power BI so behind this dashboard I had to basically extract information from three different sources of truth one was the Filing that the brokers did second one was the Amazon's internal source of truth so when amazon you know when order is created

Speaker 2 (02:05)

amazon will tell the broker that you know this is the order that is created and we needed to do the input export filing for these things that we're moving around moving from one place to another right so amazon had its internal source of truth and then you know the third one was basically the brokest source of truth right so one document was what was filed with the government the actual document was filed the broker's source of truth that they got from amazon basic and Amazon's source of truth which is the Amazon's internal document on where the product is and where does it need to be shipped to and so on right so from these 3 data sources I had to I know had to I built automated you know audit system and displayed the results on the rashboard where you know we took all the data from all these 3 data sources we cross valued them you know and made sure that there was no discrepancy if there was discripancy then I wrote

Speaker 3 (03:09)

But

Speaker 2 (03:10)

Script on how to batteries and identify where the describancy is what the describancy was and report all of this in the BI dashboard so basically what was less than 1% of documents that are getting audited with the help of this pipeline and dashboard they were able to audit at least 99% of the documents There right so this was my second project in uh Amazon during my work time there