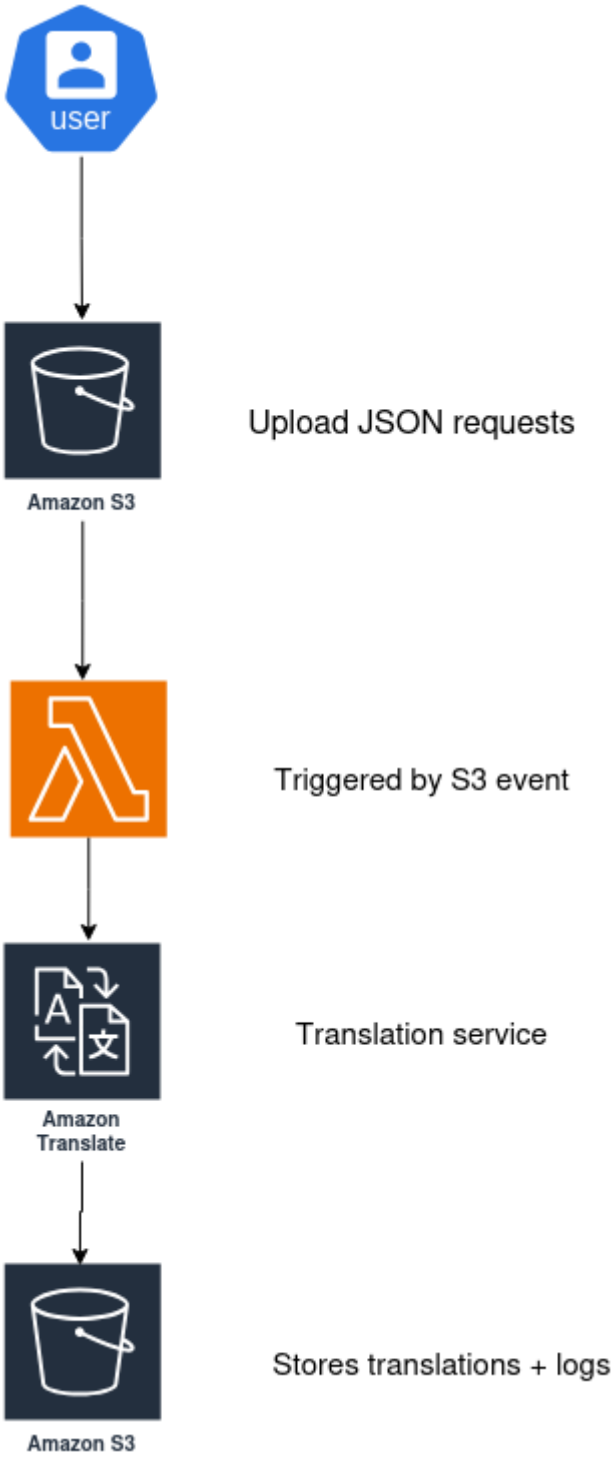
user
Amazon S3
Upload JSON requests
Triggered by S3 event
Amazon Translate
Translation service
Amazon S3
Stores translations + logs

This is architecture diagram illustrates how different AWS services interact to process translation requests. Here's a breakdown of each component and its role:

User

A user provides input (text to be translated, source language, and target language) through a script.

Amazon S3 (Requests Bucket)

The user's request is stored in an Amazon S3 bucket (e.g., translation-requests-bucket) as a JSON file.

AWS Lambda (Processing Component)

A Lambda function is triggered when a new translation request is added to the S3 bucket.

It reads the request, extracts the text, and sends it to AWS Translate.

AWS Translate

The translation request is processed by AWS Translate, converting the text from the source language to the target language.

Amazon S3 (Responses Bucket)

The translated text and logs are stored in another S3 bucket (e.g., translation-responses-bucket).

This ensures that all translations and logs are kept for tracking or further processing.

Workflow Summary

User submits a request → Stored in Requests S3 Bucket

Lambda picks up the request → Calls AWS Translate

AWS Translate processes the request → Sends the result

Translated text is stored in Responses S3 Bucket