Atlan Backend Challenge:

Best Challenge in Recent times

* Firstly, thanks for giving me this challenge had a lot to learn

Coming to Challenge of What I’ve done :

* So, Initially I was assuming the form to be in this way

{

name:"employee\_name",

"age":employee\_age,

"companyName": "x",

"salary":50000,

"savings":45000,  
"lang":"hi" (hi for hindi),  
"text":"word in his language slang"

}

* So I’m using prisma type or in the validation service to make sure that the incoming requests were passing the validation checks or not (but I’d suggest to make the validation checks in front-end side without reaching the server for validation)
* When the form is filled by the user, I’m asserting the request body as message to both phone number queue and google sheet queue and sending the response as the form will be form by returning the filled form
* So I’m decoupling both the queues, by making them resilient to failure
* While consuming I’m sending the sms to the concerned party (message as the filled form) and the same thing for google sheet queue and pushing the data to the sheet while consuming
* Challenges faced were containerizing the services with prisma which’s a hectic task, but any solved it by first migrating and pushing the same postgres db
* Disclaimer : Many of the things were assumed, and didn’t implement the full functionality for some services

VALIDATION SERVICE

Containerization

Postgres DB

Decoupled services

Sms queue

Sheet queue



GoogleSheets

Mobile

Push data to sheets

Send sms service

RabbitMq (asserting message to queue)

Req-N

Req-2

Req-1

Central -Node

USER N

USER 1

USER 2