Challenges Faced:

Auto-incrementing integer - > UUID

[Lambda Concurrency Limits and SQS Triggers Don’t Mix Well (Sometimes) | by Zac Charles | Medium](https://zaccharles.medium.com/lambda-concurrency-limits-and-sqs-triggers-dont-mix-well-sometimes-eb23d90122e0)

Unfortunately, there’s no silver bullet right now. However, the problem can be mitigated through the following actions [recommended by AWS](https://docs.aws.amazon.com/lambda/latest/dg/with-sqs.html#events-sqs-queueconfig):

* Set the queue’s **visibility timeout** to at least **6 times** the timeout that you configure on your function.  
  *The extra time allows for Lambda to retry if your function execution is throttled while your function is processing a previous batch.*
* Set the **maxReceiveCount** on the queue’s redrive policy to **at least 5**.  
  *This will help avoid sending messages to the dead-letter queue due to throttling.*
* Configure the dead-letter to retain failed messages long enough that you can move them back later to be reprocessed