<https://www.vawizard.org/wiz-pdf/STAR_Method_Interviews.pdf>

<https://www.amazon.jobs/en/landing_pages/software-development-topics>

***Amazon interview 24th Oct 2019***

***Tell me about yourself***

***U mentioned u r curious about learning new tools/technology. What are u looking for in your next role?***

*Many products/advancements are being done which are changing the lifestyle. When the product is successful, company will grow and I also will grow along with the company. I am looking to be a part of building products which are useful to good number of people. I believe I will get such a opportunity.*

***Give an example of a complex problem and how u solved it with a simple solution***

*Gave the answer of metadata driven rccl*

***Any additional complexity***

*SCD-2*

*Special characters, newline characters, date formats, unstructured data, data parsing issues etc*

*We had to address based on the type of each issue*

*event driven, realtime jobs, open source technologies etc*

***Give me an instance where you Exceeded expectations?***

*In Capital One, for some of our usecases we decided to go with Talend Tool.*

*Everyone was expecting that we should go with Enterprise Version.*

*I checked some of our usecases. Reached out to my Manager and showed my POC that for the usecases open source version would also work*

*My Manager was convinced and we went with Open source*

*This is one instance where I went beyond everyone’s expectations*

***Can you tell me about a time where you had significant unanticipated obstacles in achieving a key goal***

***General Motors Recorded Interview 2020 Feb 2nd***

**Explain why your background and experience would be a good fit for this job.**

Few points of tell me about your self.(de,DWH, different data source, AZure) I am pretty interested to learn new technologies, take good aspects from them which would help the project speed and quality. With all this experience and skills, I feel I can be a good fit for this role.

**Tell us what has been your best work achievement to this point in your career. What made this achievement important? (*Walk us through a time when you helped a customer through a difficult process and what that looked like.*)**

*In my previous project , RCCL , it was migration project from Informatica to Azure Data lake, The code of informatica jobs can be provided as xml file . There was a product Metadata Bridge which converts informatica jobs to Talend jobs. There were about 2000 jobs. We thought*

*Metadata Bridge would convert all the jobs but for a good number jobs,metadata bridge was failing.*

*Completing 2000 jobs within available bandwidth & resources was very difficult. Everyone was under impression that project is lost*

*We kept trying different approaches of all these thoughts. Finally came up with metadatadriven framework with dynamic schema (Single Master job and a child job). Master job picks the metadata from a file where we have table name, sql query etc and supplies these values to the child jobs and child job will run in multiple instances (1 table per instance). Everyone liked this framework and because the performance of this source system turned very good, we got work for 20 more source systems and the scope of the project got increased 20 times more from the stage of loosing it totally.*

**Describe a difficult task you were faced with and how you addressed it?**

We have a requirement where we need to read data from ActiveMQ topic. This is a real time job and need to run continuously. But sometimes when server goes down or due to any issue, job will be down and messages broadcasted by the ActiveMQ Topic are lost.

Everyone was thinking multiple approaches increasing the servers,memory ,monitoring etc

If those messages are lost, customer who make the payment will not get confirmation and they will be panicked and we are going loose customers.

So I came up with durable subscribers approach, With this just in case if the consumers are down, the messages generated during this period will be saved and can be consumed by the consumers when they are up again.

This is one of the difficult task solved with a simple solution.

The present project which I work deals with building a datalake on AWS s3

There was a reporting requirement where they have provide data anlaysis between intervals of time (let’s say from 2005-10, 2010-20). We have to provide data with SCD type 2 (meaning we should maintain history of like person A is having iphone 8 in )

***--------------------------------***

*OWNERSHIP: Give me a example of when you took a risk and it failed.*

*There was a production issue. I thought to complete it by myself and did not give it to my offshore thinking I should give them KT to solve that particular issue which they were not aware of and that they are having other tasks as well which needs to be completed by sprint deadline.*

*One of servers was down and I could not complete the prod defect on time. I could have given KT and should have taken help from the team as well and help the team in other tasks*

INVENT AND SIMPLIFY: *Tell me a time when you created an innovative product.*

*S: Scheduler : Manually UI Tasks needs to be created . This is taking up a long time*

*T:I need to find something which would reduce the time of the deployment process*

*A:I created a code which make an API call to tasks*

*R: The deplkoyment time reduced to less than mins instead of 30 min*

ARE RIGHT, A LOT:*Tell me about a time when you observed two business*o*pportunities to improve ROI, and how did you determine that they were connected.*

LEARN AND BE CURIOUS: *How do you find the time to stay inspired, acquire new knowledge, innovate in your work?*

*Learning new things simpilifies things. I want to do more things with less efforts. By Knowing and implementing them with ideas help the individual growth*

*Filter artifacts during the deployment process*

*Simple Things but yet makes the difference*

HIRE AND DEVELOP THE BEST: *Tell me about a time when you had to deal with a poor performer on your team.*

*I would discuss with the person , know his thoughts on solving a problem and creating a development, give hints , help him complete a task*

INSIST ON THE HIGHEST STANDARDS: *Tell me about a time when you could have stopped working but persisted.*

*I never stopped. But I will give my arguments for telling how sometimes I may be correct , sometimes the team might be correct*

*Access keys*

THINK BIG: *Tell me about a time when you proposed a new business.*

*They had a single ship . So they don’t want to go to bigdata env. Revmpaing will be difficult again. With little expense, that would help them in long term.*

BIAS FOR ACTION: *Describe how you would handle a busy situation where three people are waiting for help from you*.

Hints, Based on priority, Toss

FRUGALITY: *Tell me about a time where you thought of a clever new way to save money for the company.*

*Open source Kafka, attunity, postgresql*

EARN TRUST: *Tell me a time when you earned trust of a group.*

*If I take my responsibility, I will strive to complete it*

*It was late and team was tired , I told I will talke document preparation, let the*

*I was last person to gove the demo for client.*

*Talend Metadata Bridge, Metadata driven*

DIVE DEEP: *Tell me about a time when you had to dive deep into the data and the results you achieved.*

HAVE BACKBONE, DISAGREE AND COMMIT*: Tell me about the most difficult interaction you had at work.*

*Understand have to gain the confidence of the client. But more work committed. Requested for comp offs and other perks and got that completed*

*Datalake SCD-2*

DELIVER RESULTS**:**Tell me about a time where you overcame an obstacle and delivered results.

Polling Script. *Metasevlet*

Tell me about a time when you were faced with a problem that had a number of possible solutions. What was the problem and how did you determine the course of action? What was the outcome of that choice?

* When did you take a risk, make a mistake, or fail? How did you respond, and how did you grow from that experience?
* Describe a time you took the lead on a project.
* What did you do when you needed to motivate a group of individuals or promote collaboration on a particular project?
* How have you leveraged data to develop a strategy?

<https://www.amazon.jobs/en/landing_pages/in-person-interview>

listen to previous interviews

performance tunning techniques in sql

explain plan , index seek, scan

Polling Script

Some of my major accomplishments

I’ve had a strong interest in this field for a long time. I’ve done a lot of research and learned as much as I can about it, and I’m eager to start contributing. I think my \_\_\_\_ skills could be particularly valuable to your team.

my proven ability to maintain strong interpersonal relationships with several clients. I

You should hire me for my passion and proven abilities

Step by step manner to achieve big things

Describe a difficult task you were faced with and how you addressed it.

Datalake - SCD-2

* Have you ever dealt with company policy you weren’t in agreement with? How?
* Have you gone above and beyond the call of duty? If so, how?
* Have you had to convince a team to work on a project they weren’t thrilled about? How did you do it?
* Give an example of how you’ve worked on a team.
* Have you handled a difficult situation with a co-worker? How?
* What do you do if you disagree with a co-worker?
* Share an example of how you were able to motivate employees or co-workers.
* What do you do if you disagree with your boss?
* Describe a stressful situation at work and how you handled it.
* Tell me about how you worked effectively under pressure.
* Describe a decision you made that was unpopular and how you handled implementing it.
* How did you handle meeting a tight deadline?
* What do you do when your schedule is interrupted? Give an example of how you handle it.
* Have you handled a difficult situation with a supervisor? How?
* Have you handled a difficult situation with another department? How?
* Have you handled a difficult situation with a client or vendor? How?
* Have you been in a situation where you didn’t have enough work to do?
* Have you ever made a mistake? How did you handle it?
* Did you ever postpone making a decision? Why?
* Did you ever not meet your goals? Why?
* Do you listen? Give an example of when you did or when you didn’t listen.
* *They had no budget, more skilled handcoders more costly , need to be provided.*
* *T: Find something where I can help my client to reduce their costs*
* *A:So suggested open source version of it.*
* *R: It saved them about 200k per annumm directly and indirectly much more the cost of programming resources*
* *In Capital One,*
* *There were many such. One recent one is I was just asked to add a field in one of the query . I see that the query was taking a long time to execute. I have gone through query and made changes to join conditions, removed unnecessary fields and tried querying it .*
* *Whenever a job fails, we get an alert that job is failed and to check the logs*