SYED

1) Difference between Spring MVC and Spring Boot

2) How we can create custom auto configure in spring boot

3) Do we have any way to disable auto configuration and create custom config

4)About EC2

5) Different bean scopes

6) Difference between prototype and request

7) Security on OAUTH2 and its implementation

8) What is the grants on security for OAUTH2

core java:-

few coding questions on String literals like String s1="abc" String s2= new String("abc"). s1==s2 what will be output in multiple senarios. s1.equals(s2)

also int i= 10/0 excepted output

What is Aspect-Oriented Programming (AOP)?

2. Which Spring Boot annotations are used for implementing AOP?

3. What types of pointcuts can you use in Spring AOP?

4. How do you create custom actuators in Spring Boot?

5. What annotations are used for creating custom actuators?

6. What are the common services offered by AWS and Azure?

7. How do you find the name of the employee with the maximum salary from a list?

8. What is the purpose of the `@Value` annotation in Spring?

9. What is the difference between `@Value` and `@Configuration`?

10. What is the difference between `@Bean` and `@Component` annotations in Spring?

11. How do you convert a given list of employees (`EmployeeList`) into a `TreeSet`?

12. If you need to call two unrelated repositories concurrently from one service, how would you achieve both operations completing in 10 seconds instead of 20 using java8 ?

13. What are the different types of OAuth2 functions?

14. What is the purpose of the `@Secured` annotation in Spring Security?

15. How do you implement Spring Security in a Spring Boot application?

16. How do you implement the Circuit Breaker pattern?

17. What are the different states of a Circuit Breaker and how do they work?

18. What is the maximum execution time allowed for AWS Lambda functions?

19. What is the maximum execution time allowed for Azure Functions?

20. How is authentication managed in AWS?

21. What are the components of a JSON Web Token (JWT)?

22. Array List and LinkedList , when to use which data structure .

ROSY

@Refreshscope and where it get used, provide example

Why Springboot but not MVC

@RestController @controller

Lambda internal working

What are RCU and WCU in DynamoDB

what is primary key and Sort key in DynamoDB , provide the example

how you have implemented security and what is the internal working how it works

would u implement securitywhen you are working on multiple microservices, pls explain . how you will handle authorization/authentication

if u need to design the microservices what architecture you will follow , what things you will take care

scenarios on AWS SQS, AWS SNS

some scenario - multi tenant problem how you will share the information if Tenant A is requsting to Admin

what are spring scopes

Provide example on Prototype / Request scope and where have u used

@Value and @ConfigurationProperties and explain one scenario

Few questions from AWS ECS

what are services/tasks in ECS

what u would prefer AWS fargate or AWS EC2 and why

how you will enable/disable the feature without stopping the application

OATH2 questions like what are differant grats/authorities supported

implementation of Oauth2

how will u create custom starter in springboot

Few programs on Treeset like how it works and how will u add Employee object in Treeset

What is String constant pool and gave 2-3 scenarios how string will behave

like s1="abc" s2="abc " how this will work and s2=new String("abc") //how this will work

What is intern in string and asked to create string and provide the o/p

program for i/p s1 = " Welcome to pearson" o/p should be " pearson to hello"

what is ARN

if havinng 2 AWS services in 2 different resgions , how they will access to each other

how Reselience works and asked me to provide scenarios

How you will handle the throttling issue in AWS lambda

AWS lambda layers and versions

how Lambda runs internally

BIBEK

Java 8 features

<https://codeshare.io/29OD1M>

Who is spending more on this shop – top 10 customers –

Transaction POJO:

Class Transaction{

String customerId;

Double amount;

}

findTopNCustomersBySpend(List<Transaction> transaction, double minAmount, int topN)

{

}

Optional class

Exception types

Custom Exception

Create a new Exception called Transaction Cancelled Exception.

Runtime Exception :

SOLID Principle

Dependency Injection

Types of Beans – Singleton, Prototype, Session

Call Singletone Bean from Prototype

Call Prototype bean from Singletone Bean

Method injection

AWS service

SNS & SQS Visibility time out.

ARUN PRASAD

Questions Asked:

1. What is your daily job in your previous project

2. How will you do the code review

3. How authentication works in your projects

4. Program: Given a json and ask me to write a class for parsing the json and print the name and department field from json array

5. Program: Write a program to print char occurances from the string "Programming"

6. Api Gateway

7. Tell any 2 annotations that you used in java,and springboot

8. How will you prepare to learn a new technology and implement for client requirement

9. How will you take your solutions for a requirements if there are multiple solutins in the team

10. what is sonar cube

11. how you write junit test cases

12. How the deployment process will go in your previous projects

13. Syncronous communication, Asyn. communication

14. Challenges you faced in previous project how you overcome from that

15. How you will intract with your manager when you need a help

16. Explain Garbage collector

17. Annotations in java

18. Monolithic vs microservice

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Abhay

How Spring Boot autoconfiguration internally works?

Steps to create custom spring boot autoconfiguration.

Custom actuator – Which annotation

Order presence of command line argument, Property file, environment variable?

Difference between @component and @Configuration

To accessing 3*rd* party library in our class how can we create @component class or @Configuration.

Bean type – default Singleton. Difference between Singleton and Prototype.

@qualifier annatation

Which scenario we will use @qualifier

Why we are using PostConstructor

AOP

Main purpose of AOP

Different ways to communicate Microservices.

Different between FeignClient and RestTemplate

Circuit breaker – different state of Circuits

Where we must define Pre-defined messages while microservices down scenario?

Use of API gateway?

Dynamo DB

EC2 – what is VPC?

RHIHARIKA

AWS

Spring Boot version

Difference between MVC & Spring Boot

How to Create Custom @Configuration

How @Configuration internally works

How to disable particular @configuration.

Difference between @ConfigurationProperties @Value

Order precedence of CommandLine, Environment variable, [application.properties](http://application.properties/) files

AWS Param store- configure environmental variable.

Run time enable or disable

1. What are the current roles and responsibilities in your project

2. What coverage ratio you have kept in your project?

3. What AWS services you majorly used and extensively

4. List the names of aws services.

5. Aws api gate way and uses.

6. Which springboard version you were worked

7. Spring vs spring framework, major difference

8. How internally auto configuration works? Explain exactly it works by giving any example. There is one module that we can do auto configuration and how my spring container will get whether we have beans for those?

9. Have you used auto configuration plug in, have you used like JPA? How my springboot container will get to know that weather it have to create datasource bean or not automatically?

10. If we want to disable any particular auto configuration what are the different ways we can do?

11. @value vs @configurationProperty

12. We have environment variables, application properties,command arguments line which one has highest precedence?

13. Let's consider I am using aws paras store ( system manager) where we can configure our properties file whatever the properties we have define in our yml file and I have deleted one flag based module and runtime I can enable or disable without restarting my application how can do that?

13. How we can handle exceptions globally in springboot.

14. Let's consider I to have 2 get endpoint having same path what will happen?

Does it allow me to run my application or it won't allow me?

And wherever I called the api which api will be called?

15. @component vs @configuration

16. We are having third party library on our class which one you will use and which one better to use?

17. Bean scopes? Prototype vs request key difference

18. @qualifier annotation and give me one example

19 @postContructor annotations where we have used

20. @secured vs @preAuth annotation

21. AOP

22. OAUTH 2 and it's implementation

23. Different types of grants and authorization code grant vs client credentials grant

24. How much time it will take to give access token and refresh token?

24. How do you get new access token when it expires?

25. How do you maintain spring Security in your application

26. Aws lambda max time out

27. Fault tolerance

28 how do you call one microservice from another?

29. Dynamo dB

30. In try block int i=10/0: and having 2 catch bloacks first one handling Exception e and second one arithmetic Exception which one it will go first and is this code compiles?

31 create a employee object with 5 different set of values.

32. What is functional interface and wrote sample functional interface.

33. Find the even ids and name starts with P from list of employees using streams.

34. Throttling issue

35. Aws labda cold start issue.

36. What is VPC endpoint.

37. Can we call another resource from another aws account using our current vpc endpoint

38. Which language mostly aws lambda will support mostly?

39 aws layers.

40. Aws filters.

RAKESH

Questions asked:

Coding part:

Given JSON to Object

Print char count for given string

Design User Mgmt System with REST

Spring boot:

PUT Vs Patch

Can we use PUT instead of POST

Idempotent? which resources?

Annotaions you have used, explain.

Authentication Vs Authorization.

How implemented in your project?

Unit testing which framework?

Others:

Explain project, your roles and responsibilities.

How would make sure less bugs before QA assigning the jira.

Core Java:

Design Patterns.

Diff b/w Factory vs abstract factory

Explain Builder , use case.

These are set out of questions I remember but may ne I missed out some of them I donr remember exactly.

VANITHA

Roles and responsibilities

Java features

Method overloading and overriding

Hashmap internal working principle

Types of Exception

Enum

Local cache

Purpose of cache

Upto date update , consistent data from the db

Find the first Non repeating character in a string

1. Remove Duplicates from String and print it out the result

String str = "programming";

Here is the Sample Json file -

{

"id": 101,

"firstName": "John",

"lastName": "Doe",

"email": "[john.doe@example.com](mailto:john.doe@example.com)",

"phone": "+1-202-555-0143",

"position": "Software Engineer",

"department": "IT",

"salary": 85000,

"isActive": true,

"dateOfJoining": "2021-06-15",

"address": {

"street": "123 Main St",

"city": "New York",

"state": "NY",

"zipCode": "10001",

"country": "USA"

},

"skills": ["Java", "Spring Boot", "REST APIs", "SQL"],

"projects": [

{

"projectId": "P001",

"pro