**Interview Questions (Part-1)**

1.Write a java program to reverse an array without creating any new array.

2.What is Offset in Kafka and how do we restrict the duplication of msg.

3. Where do we get broker information and what is zookeeper.

3.How to communicate secure microservices Api from non secured MS api.

4.What is Hystrix .

5.What is fault tolerance and how to use it.

6.What is 2 PC commit and SAGA design pattern in MS.

7.How to configure 2 db in Spring Boot. What are the steps.

8. What is Spring Cloud Bus.

**Interview Questions (Part-2)**

1. what API gateway you have used and how you will configure in MS architecture  
2. What is Transactions in MS   
3. Communication technology between MS -all and which is suitable where  
4. Tell me about CI/CD and there purpose  
5. Explain Event Driven Architecture

API gatway k bare me jyada puccha tha

Backend:

* **Aync communication** (web client, Async)
* what is role of @SpringBootApplication.
* difference bw @Qualifier and @Autowired annotation,when do we use @Qualifier,any different ways to do this.
* how we can configuration for two different databases.
* what are the different ways you use for **security** in spring boot application.
* Did you **jwt** in your implementation,how would you use and configure them in your application.
* Did you use **Spring security**.
* API failure **response-retry and Circuit breaker** concept,how would you do max retry limit condition in application.
* Did you use any cloud plateform for deployment.(**AWS**)
* how would you manage different envirnments in application,any idea about jindi configuration.
* what kind of logging tools you used for application.
* Actuator role
* how would you prevent security attackes like csrf in application.
* **unit testing**-Junit vs Mockito test cases.
* other related questions

Angular:

* what are different ways to improve performance in angular.
* deployment in angular.
* different ways to do security in angular, XSS,csrf prevention.
* how would you set common css style for an application.
* some scenario based questions.

Interview Questions (From Shiril Pathak – Arup)

1. Difference between InjectMock and Mock within Mockito

2. why mockito is needed

3. What is @FunctionalInterface, how does it differ from previous FunctionalInterface before Java 8

4. You have 5 microservice calling each other subsequently, 2nd one is doing a Database Transaction, but the 4th service fails, what should we return to client

5. You have 2 employee list which might contain duplicate within each other create a Final output without duplicates with least iterations

6. How to trace logs within microservice

7. Immutable Class

8. Versions of tech that you are using within your project