**FSE & Kafka Role**

**Job Description:**

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| **Role** | **No. (#)** | **Year of Experience** | **Primary Skills - Must Have Skills** | **Secondary Skills -Good to have** |
| FSE-Kafka | 2 | 3-6 Years | Java, J2E, Kafka, Azure cloud, App gateway, APIM  Good Knowledge on Webservices  Little exposure on Azure and Kafka.  It’s purely based on Research and then develop POCs using new technology trends & tools.  This team help to build horizontal components that can be used across all applications.  It’s NOT an application development work. They must do research and bring-in new technologies or tools so that Application development team can use them. |  |

**Questionnaire:**

1. Are you familiar with Containerization?
2. Docker
3. What Orchestration Engine that you have worked with -> Kubernetes
4. How do you achieve zero down time in the cloud?
5. Do you know any deployment strategies?
6. Why do we use readiness, liveliness probes?
7. Anything you orchestrate in Google cloud
8. How do you deploy a database on cloud?
9. Microservices:
   1. How can you define a service as Microservice? Or
   2. How would you quantify a service as Microservice?
10. Tell me how the iterator works
    1. Let’s say - 100GB of file and I wanted to find the instances of “Mindtree” in that and print the number of occurrences of the word
11. How do you secure any of your Microservices? JWT token, OAuth, etc.,
    1. Who will generate the JWT token?
    2. How will you generate the JWT token?
    3. What are the different parameters?
    4. Do you know in how many ways you can secure your Microservices?
    5. While you are securing any webservice, it goes thru certain validations. So, at which layer the validation will happen.
12. What are implicit or default objects available in Spring Boot
    1. I have a requirement to capture a geo location, how will you do that.
13. Request Object and Response Object in Spring Boot?
14. What is super class of any object.
15. I must replace a Super class (i.e., Object) to Mindtree. How would you do that.

**3 Areas of expectations from client:**

* Steaming solutions on public cloud – 2 positions available and might get 4 more
  1. Migrate on-premises application onto public cloud
* Technical experiments and research– POCs, exploring lot of tools and techs (low code or no code approach)
* Front end. Middle ware development.