Recruitment Management Use case

Modules:

We have to develop a recruitment management process with the following main services:

1. Consultancy Service:

  ➢ This service will collect candidate data from a source and store those data to a database.
  ➢ Use a CSV file as source of all the candidates. This task will be a running as cron job in a specified schedule which will configurable.
  ➢ This service exposes an endpoint to the internal services to provide candidate list according to a filter criteria.
  ➢ The candidate data will contain mainly the technology stack, years of experience, percentage in academics, gap in studies etc.

2. Recruitment Service:

  ➢ This service will be exposed to user/client to list out the candidates which meets required criteria.
  ➢ This service will make call to the Consultancy service with the required parameters.
  ➢ All the data, retrieved from Consultancy service, will be sent to Eligibility service for filtration of candidates as per eligibility criteria. This criteria should be kept in a configuration file.
  ➢ It will store the candidate data in a temporary database with a timestamp.
  ➢ Second endpoint will be exposed to user to soft delete the entry of those candidates which entries are expired as per a validity timeout period.
  ➢ Third endpoint will expose the audit data for a period of time by collecting the audit data from Audit service.

3. Interview Service:

  ➢ This service will fetch the available panel for the expected time period
  ➢ One endpoint will be exposed for internal service to return the available panel list
  ➢ It service will be connected to Message Queue to push panel list along with the time of interview

4. Eligibility Service:

  ➢ This service will have an endpoint for internal use
  ➢ This service will filter the candidates according to the eligibility criteria mentioned in a configuration file. The criteria may contain fields like gap in studies, any backlogs, percentage in graduation etc.
  ➢ All the filtered candidate list will be sent for audit.

5. Audit Service:

- ➢ This service will have an endpoint for internal use. This endpoint will query the audit DB and return data for the mentioned time period.
- ➢ This service will work as listener of the Message Queue to fetch audit data.
- ➢ This service will insert audit data to a database and a log file