Screening Questions – Backend Developer

| **No.** | **Question** | **Expected answer** |  |
| --- | --- | --- | --- |
| 1 | All developers - Are you happy working in a test driven development (TDD) style? How much time do you typically spend writing tests? | 25% |  |
| 2 | In one sentence please can you describe what agile means to you? | Deliver software Incrementally with minimal viable product features |  |
| 3 | Which agile framework(s) / methodologies are you familiar with? | Agile Scrum methodology and Kanban |  |
| 4 (a) | If they answer Scrum then ... Please can you name the Scrum ceremonies or events? | Sprint Planning, Review  And Retrospective, Daily Scrum Updates |  |
| 4 (b) | If they answer Kanban then ... please ask them to list the main practices of Kanban | 1. Continuous Work in progress instead of fixed intervals like sprint  2. Through put instead of velocity  3. No formal roles |  |
| 5 | What is it about Maersk that interested you enough to apply for a role? | I found working technologies Interesting |  |
| 6 | How long have you worked in an agile environment / project or Scrum teams? | 4 years |  |
| 7 | What do you see as the main benefit of working in an agile environment / framework / way? | Building software in Iterative and Incremental way and asking for a feedback from stakeholders after every cycle makes us realize that we are in sync with customers requirement |  |

For all Backend Developers(Java)

| **No.** | **Question** | **Expected answer** |  |
| --- | --- | --- | --- |
| 1 | Backend developer -  **Should have hands on with:**  Java 8 or above, Spring Boot RESTful, apache maven, JUnit, Docker.  **Good to have knowledge of:** CI/CD using Jenkins, Orchestration using Kubernetes, api management using apigee/Azure API management, any cloud( azure, bluemix, GCP, AWS) knowledge, Spring Reactive, BDD, messaging queue using Kafka/Azure service bus, Mockito/PowerMock, OAuth 2.0 authentication, swagger spec. | Yes |  |
| 2 | What are the data structures available in java? | Linked List,ArrayList,TreeMap,HashMap,HashSet,ConcurrentHashMap |  |
| 3 | What are the RESTful http api methods? | GET, POST, PUT, DELETE |  |
| 4 | What are the type of exceptions? explain each. | CompileTime and RunTime Exception.  CompileTime Exception : These are thrown by compiler and programmer should take care of it  Run Time Exception : Programmer does not have any control over it |  |
| 5 | What are the different ways to implement multithreading? | By Implementing Runnable Interface and extending Thread class. |  |
| 6 | What are the methods provided by java streams api? | FileStream,I/O Steam |  |