

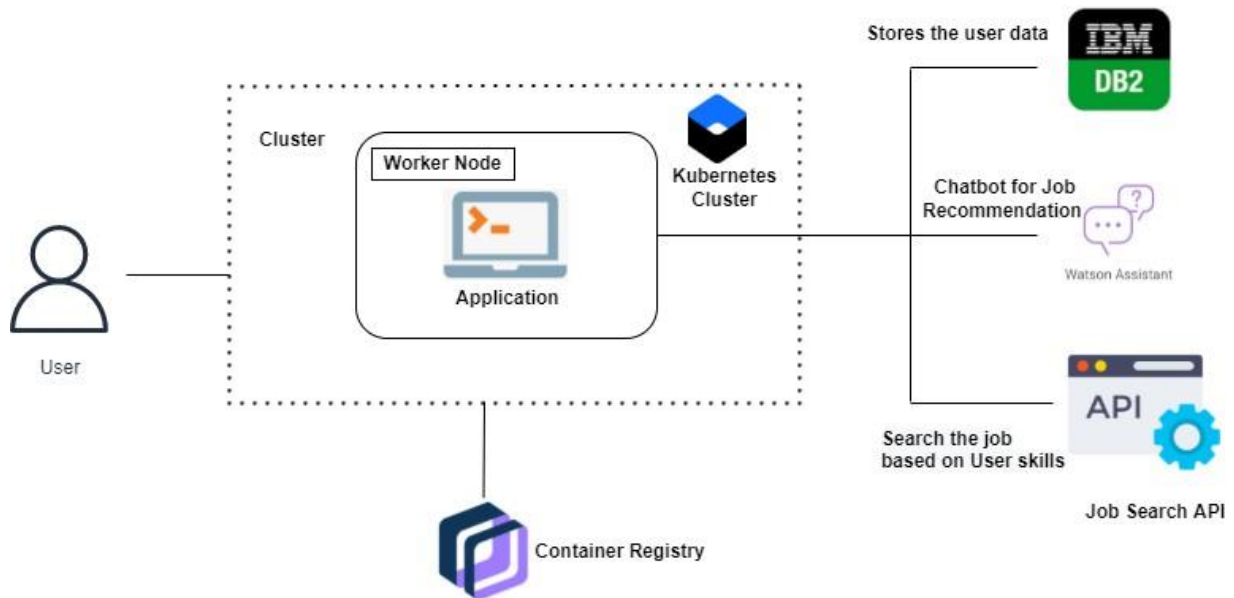
## PROJECT DESIGN PHASE-II

### TECHNOLOGY STACK (ARCHITECTURE & STACK)

|               |                                          |
|---------------|------------------------------------------|
| Date          | 26 October 2022                          |
| Team ID       | PNT2022TMID44544                         |
| Team Leader   | P.Ashok                                  |
| Team Member   | P.Kavitha<br>G.Boopathi Raja<br>S.Girija |
| Project Name  | Skill and Job Recommender                |
| Maximum Marks | 4 Marks                                  |

#### Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table2



**Table-1 : Components & Technologies:**

| S.No | Component                       | Description                                                                                 | Technology                                                     |
|------|---------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 1.   | User Interface                  | The user can interacts with our application with the help of chatbot, etc.                  | HTML, CSS, JavaScript / Angular Js / React Js etc.             |
| 2.   | Application Logic-1             | The User can login with application, by previously he should register in our web app.       | Javascript                                                     |
| 3.   | Application Logic-2             | They can also register with the help of chatbot.                                            | IBM Watson Assistant                                           |
| 4.   | Cloud Database                  | The user data will be stored and retrieved with the help of this database.                  | IBM DB2, IBM Cloudant etc.                                     |
| 5.   | File Storage                    | The user documents like photos, resumes and much more will be stored in cloud bucket, etc., | IBM Block Storage or Other Storage Service or Local Filesystem |
| 6.   | External API                    | With the help of API, the user can search the job based on their Skillset.                  | IBM API, etc.                                                  |
| 7.   | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud                                              | Local, Cloud Foundry, Kubernetes, etc.                         |

**Table-2: Application Characteristics:**

| S.No | Characteristics       | Description                                                                                                                                                      |
|------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | Is it Scalable?       | It follows highly scalable technologies that allows application to handle increase in large user data's, workload and perform any operation without any problem. |
| 2.   | Is it Modify able?    | It is highly Modify able and Maintenancerequires low cost, compared to other application.                                                                        |
| 3.   | Is the System Robust? | It does not disturb the performance of the computer by not affecting the operating system. It works in minimal hardware systems.                                 |