

**Project Design Phase-II Technology
Stack (Architecture & Stack)**

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| Date | 13 November 2022 |
| Team ID | PNT2022TMID44470 |
| Project Name | Project – Job& Skill Recommender Application |
| Maximum Marks | 4 Marks |

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

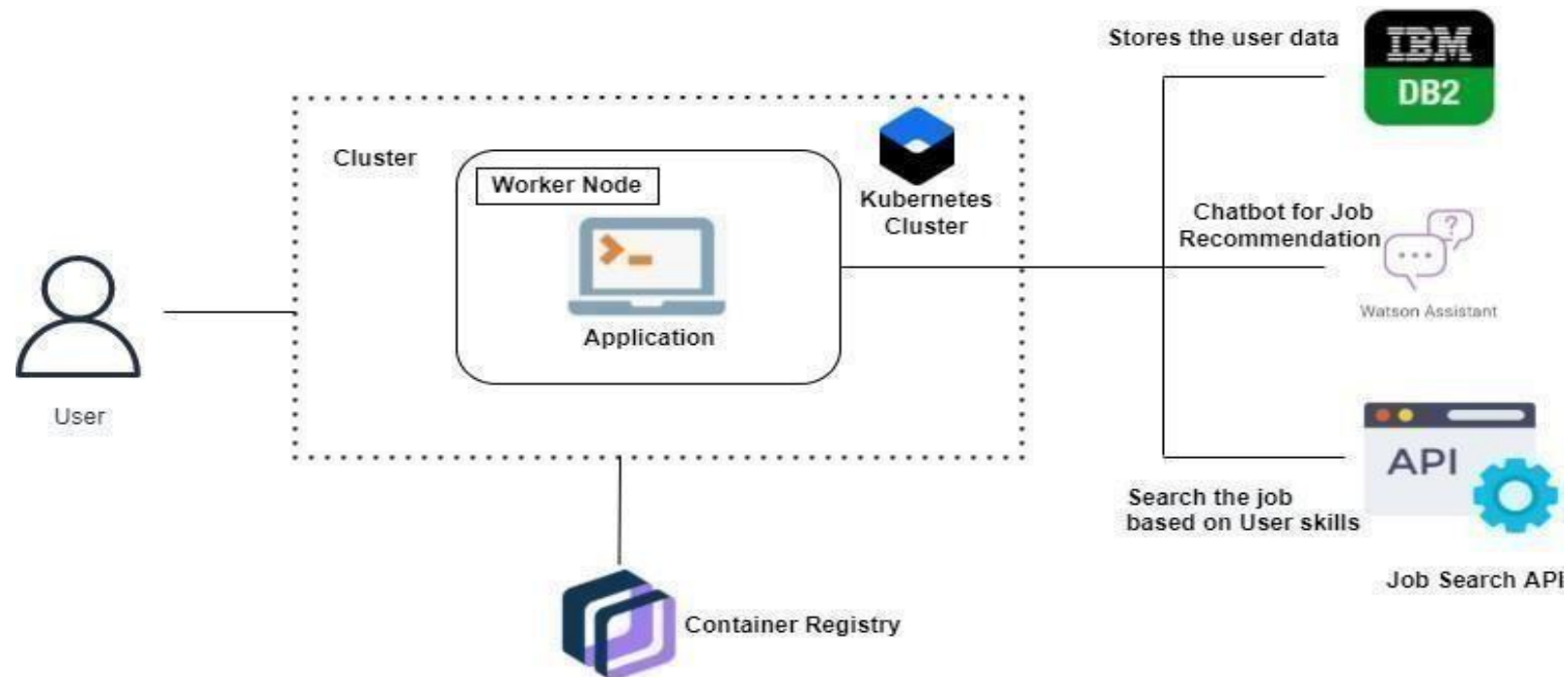


Table-1 : Components & Technologies:

| S.No | Component | Description | Technology |
|------|---------------------------------|---|--|
| 1. | User Interface | The user can interact with our application with the help of chatbot, etc. | HTML, CSS, JavaScript / AngularJs / 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 a 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 allow application to handle increase in large user data's workload and perform any operation without any problem. |
| 2. | Is it Modifiable? | It is highly Modifiable and Maintenance requires low cost, compared to other applications. |
| 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. |