

PROJECT DESIGN PHASE - II

Team ID	PNT2022TMID06805
Project Name	Skill/Job Recommender Application

Technology Architecture:

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

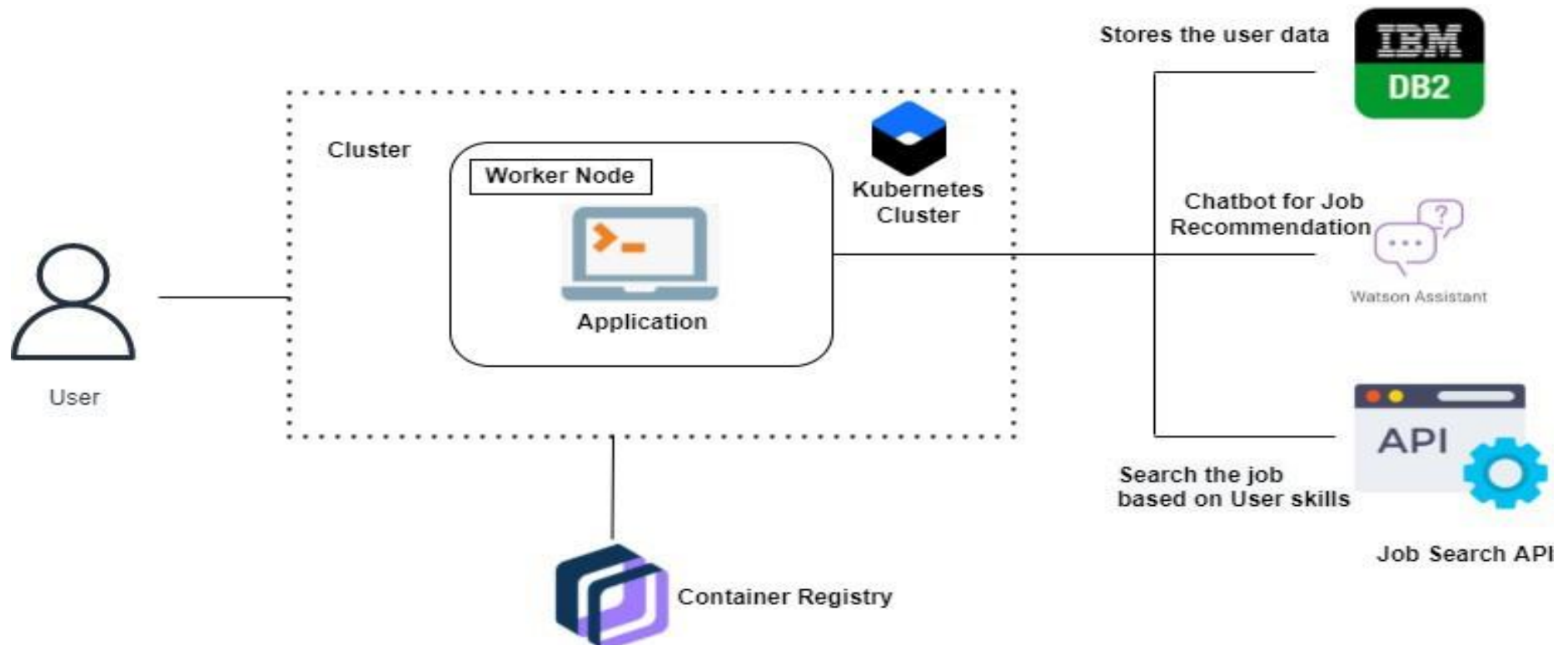


Table-1:Components&Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js /ReactJ setc.
2.	Developing Interface	Developing application for the task	Java /Python
3.	Voice Assistance	Voice commands instead of typing.	IBM Watson STT service
4.	Chatbot Assistance	Conversational Interface	IBM Watson Assistant
5.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBMDB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local File system
8.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model, etc.
9.	Infrastructure (Server/Cloud)	Application Deployment on Local System /Cloud Local Server Configuration: Cloud Server Configuration:	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frame works used	Technology of Opensource framework
2.	Security Implementations	List all the security/access controls implemented, use of fire walls etc.	e.g. SHA-256, Encryptions,IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro -services)	Artificial Intelligence(AI)
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	RAID(redundant array of independent disks)
5.	Performance	Design consideration for the performance of the application(number of requests per sec, use of Cache, use of CDN's)etc.	DRAM or flash memory

