

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

Date	15 October 2022
Team ID	PNT2022TMID23043
Project Name	Skill/Job Recommender Application
Maximum Marks	4 Marks

Technical Architecture:

The Deliverables shall include the architectural diagrams below and the information as per the table 1 & table 2

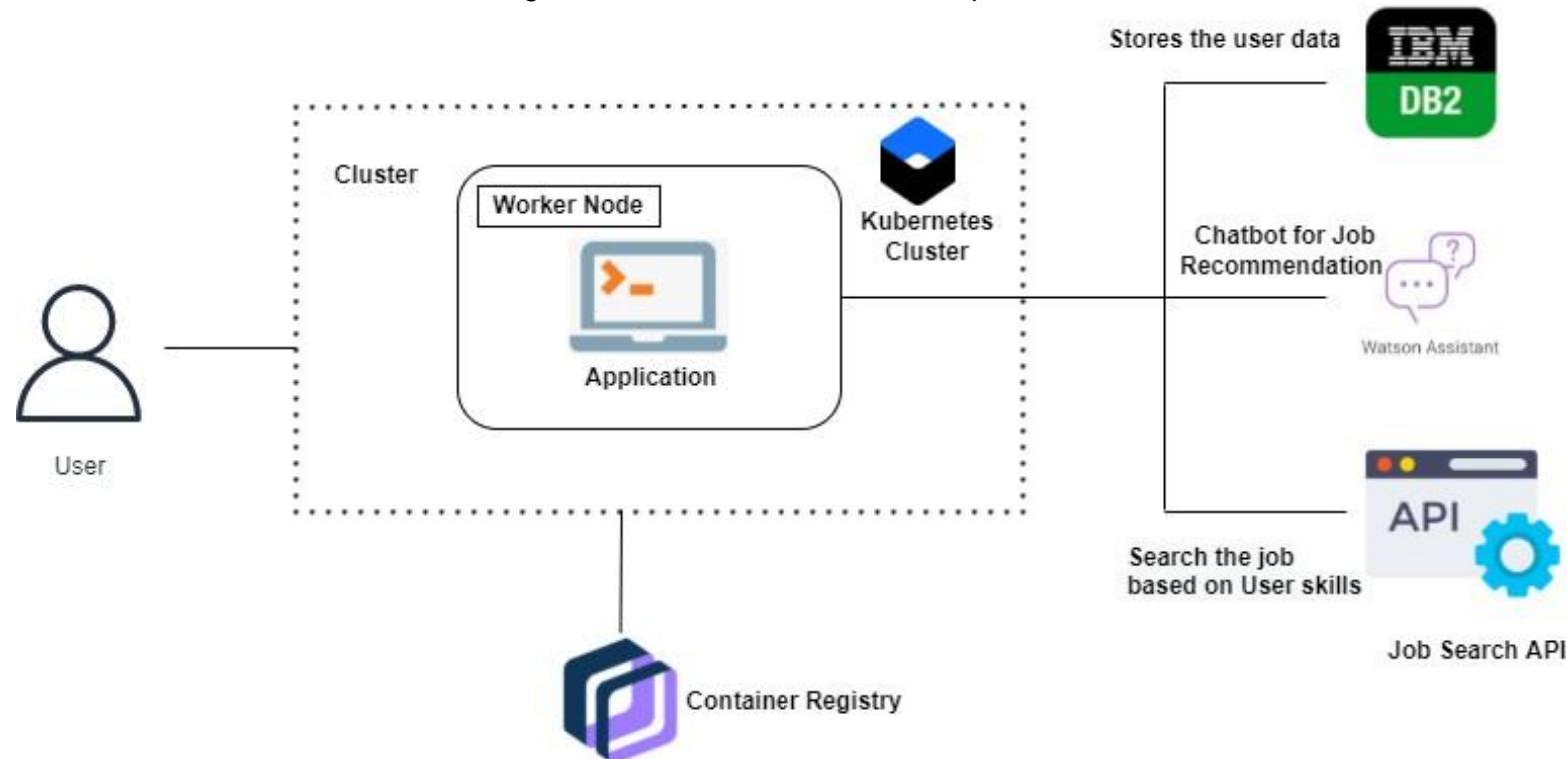


Table-1:Components&Technologies:

S.No	Component	Description	Technology
1.	UserInterface	The user can interacts with our application with thehelpofchatbot,etc.	HTML, CSS, JavaScript / Angular Js /ReactJsetc.
2.	ApplicationLogic-1	The User can login with application, by previouslyheshould registerinourwebapp.	Javascript
3.	ApplicationLogic-2	Theycanalsoregisterwiththehelpofchatbot.	IBMWatsonAssistant
4.	CloudDatabase	The user data will be stored and retrieved with thehelpof thisdatabase.	IBMDB2, IBMCloudantetc.
5.	FileStorage	The user documents like photos, resumes andmuchmorewillbestoredincloudbucket,etc.,	IBM Block Storage or Other StorageServiceorLocalFilesystem
6.	ExternalAPI	With the help of API, the user can search the jobbasedontheirSkillset.	IBMAPI,etc.
7.	Infrastructure(Server/Cloud)	ApplicationDeploymentonLocalSystem/Cloud	Local,CloudFoundry,Kubernetes, etc.

Table-2:ApplicationCharacteristics:

S.No	Characteristics	Description
1.	IsitScalable?	It follows highly scalable technologies that allows application to handle increase in large userdata's,workloadandperform anyoperation without anyproblem.
2.	IsitModifyable?	ItishighlyModifyableand Maintenancerequireslowcost, comparedtoother application.
3.	IstheSystem Robust?	It does not disturb the performance of the computer by not affecting the operating system. Itworks inminimalhardwaresystems.

