

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

Date	15 October 2022
Team ID	PNT2022TMID41985
Project Name	Skill/Job Recommender Application
Maximum Marks	4 Marks

Technical Architecture:

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

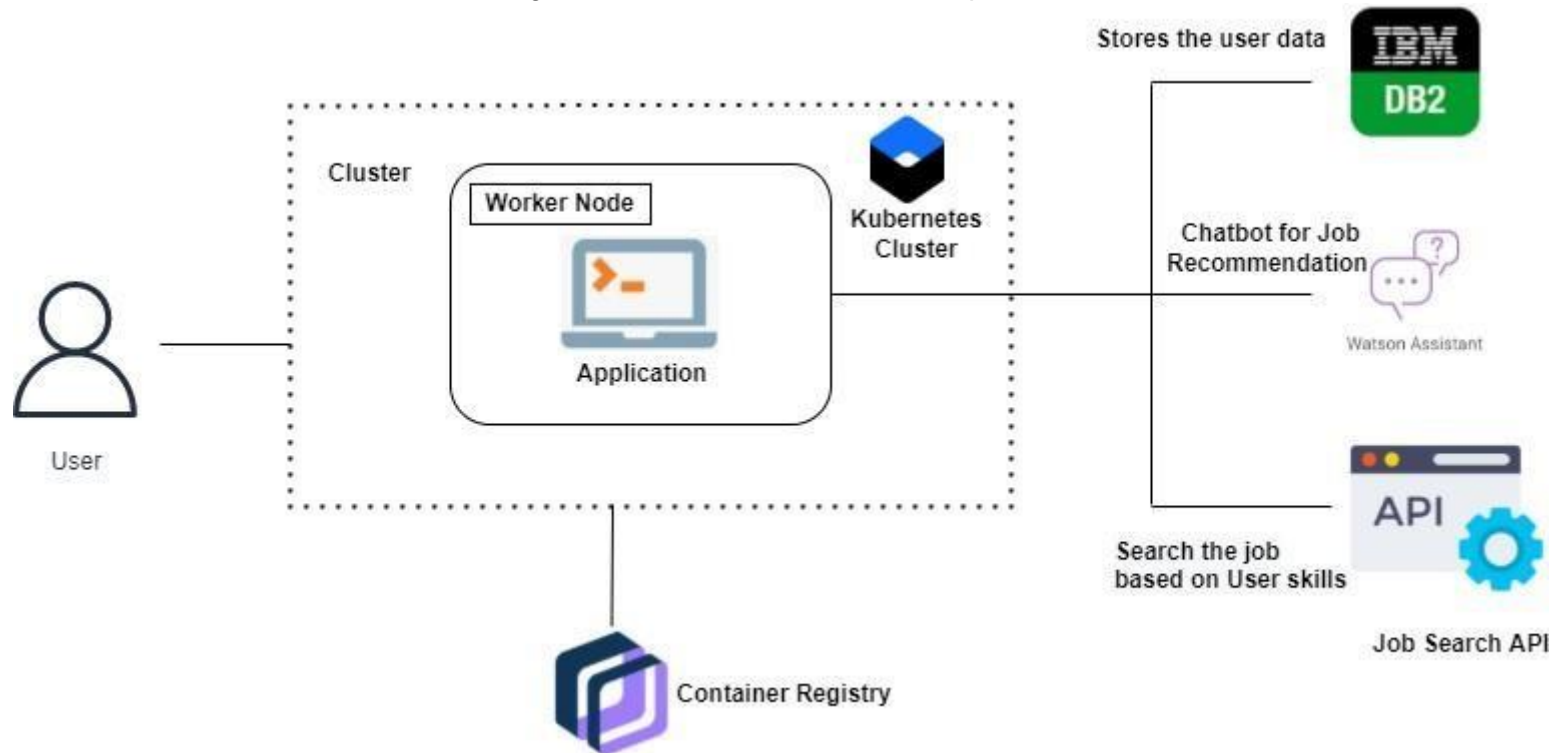


Table-1:Components&Technologies:

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	TheUsercanloginwithapplication,bypreviouslyhes houldregisterinourweb app.	Javascript
3.	ApplicationLogic-2	Theycanalsoregister withthehelpofchatbot.	IBMWatson Assistant
4.	Cloud Database	Theuserdatawillbestoredandretrievedwiththehelpo fthisdatabase.	IBMDB2,IBMCloudantetc.
5.	FileStorage	Theuserdocumentslikephotos,resumes and muchmorewillbestoredincloudbucket,etc.,	IBMBlockStorageorOtherStorage ServiceorLocalFilesystem
6.	ExternalAPI	Withthe help ofAPI,theusercansearchthejob basedontheirSkillset.	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 anyoperationwithoutanyproblem.
2.	IsitModifyable?	ItishighlyModifyableandMaintenancerequireslowcost,comparedtoother application.
3.	IstheSystemRobust?	It does not disturb the performance of the computer by not affecting the operating system. Itworks inminimal hardware systems.