

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

Date	20 October 2022
Team ID	PNT2022TMID03514
Project Name	Skill/Job Recommender
Maximum Marks	4 Marks

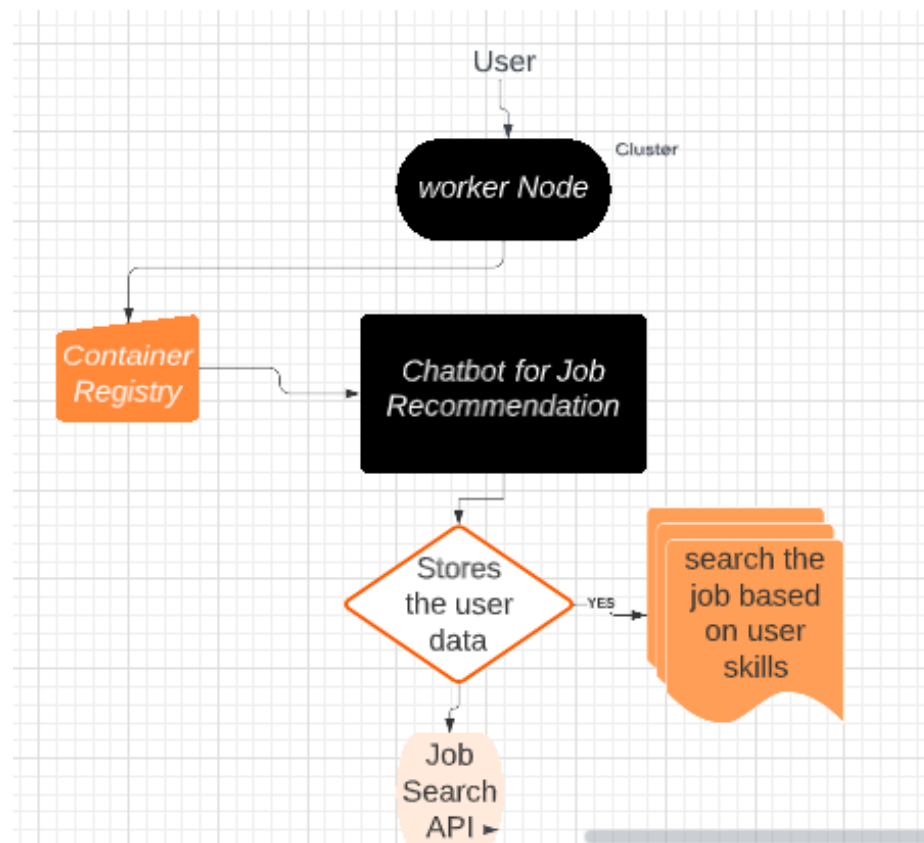


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Experience	Application user interface, mobile app, chatbot, etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Logic Application 1	The User must first register on our web app before he can log in using the application.	Javascript
3.	Logic Application 2	They can also register with a chatbot's assistance.	IBM Watson Assistant
4.	Voice Assistance	using voice commands rather than typing.	IBM Watson STT service
5.	File Retention	The user's documents, including resumes, images, and more, will be kept in a cloud bucket, etc. Storage needs for files.	IBM Block Storage or Other Storage Service or Local Filesystem
6.	Cloud Database	Cloud database service	IBM DB2, IBM Cloudant etc.
7.	Infrastructure (Server / Cloud)	Deployment of Applications on Local or Cloud Systems	Local, Cloud Foundry, Kubernetes, etc.
8.	Developing Interface	Making an application for the job	Java / Python
9.	External API	The user can look for jobs based on their skill set with the aid of API.	IBM API, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description
1.	Scalable Architecture	It uses highly scalable technologies that enable applications to handle increases in user workload and enormous amounts of data without experiencing any issues.
2.	Is it Modifyable?	When compared to other applications, it is quite modifiable and requires less maintenance.
3.	Is the System Robust?	Because it has no impact on the operating system, the computer's performance is unaffected. It operates on systems with little hardware.

4.	Open-Source Frameworks	Describe the utilised open-source frameworks.
5.	Implementations in Security	List every security and access control measure used, including firewalls.

References:

<https://c4model.com/>

<https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/>

<https://www.ibm.com/cloud/architecture>

<https://aws.amazon.com/architecture>

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d>