

Project Design Phase-I

Solution Architecture

Date	28 October 2022
Team ID	PNT2022TMID29840
Project Name	Skill/Job Recommender Application
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions.

- Job seekers struggling to get the desired jobs for the skills they have. They tend to miss out on job openings because there is an ocean of existing systems that list millions of jobs which are generally not relevant at all to the users. This system, therefore, approaches the idea from a data point of view, emphasizing more on the quality of the data than the quantity.
- In job recommender application job seekers can showcase their skills through their profiles. The user and their information are stored in the Database. User can find the jobs by using the search option or they can directly interact with the chatbot and get recommendation on Jobs based on the skills they have.
- A notification is send to the user whenever there is a job opening based on the user's skillset.
- With an increasing number of cash-rich, stable, and promising technical companies/startups on the web which are in much demand right now, many candidates want to apply and work for these companies. Job recommendation facilitates that experience, instead of having to scroll through a lot of job openings. We can easily get a job recommendation by using search API or chatbot.

Example - Solution Architecture Diagram:

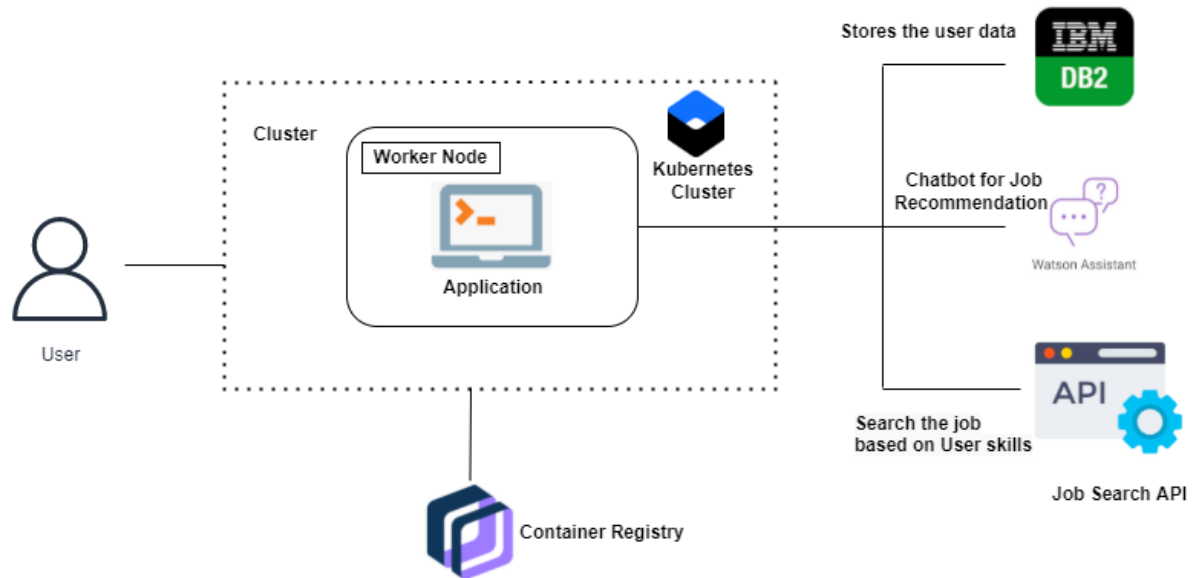


Figure 1: Architecture and data flow of the Skill/Job recommender application

Reference:

https://www.researchgate.net/publication/325697854_Job_Recommendation_based_on_Job_Seeker_Skills_An_Empirical_Study