

# Skill/Job Recommender Application

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## Problem Statement

To develop an end-to-end web application capable of displaying the current job openings based on the user skillset. The user and their information are stored in the Database. An alert is sent when there is an opening based on the user skillset. Users will interact with the chatbot and can get the recommendations based on their skills. We can use a job search API to get the current job openings in the market which will fetch the data directly from the webpage.

We have come up with a new innovation solution through which you can directly choose your job related to your skills without needing help from someone. User can login into application and search a job otherwise interact with chatbot via entering skills to the bot, it suggest some job based on entered skills and also it update latest jobs everyday, lists of jobs are uploaded into database and the chatbot also connected with database once user enter skills into chatbot it will search related job in database then it display various jobs related to skills.

## Skills Required

- ✓ *IBM Cloud*
- ✓ *HTML*
- ✓ *JavaScript*
- ✓ *IBM Cloud Object Storage*
- ✓ *IBM Container Registry*
- ✓ *Python-Flask*
- ✓ *Kubernetes*
- ✓ *Docker*
- ✓ *IBM DB2*

## Technical Architecture

