

DEVELOPING A CHATBOT

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Team ID	PNT2022MID48197
Project Name	Skills/ Job Recommender Application

Build the Chatbot

Step 1: Login to IBM Cloud

The screenshot shows the IBM Cloud dashboard. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Thaslima Banu S's Acc...). The main content area is titled 'Dashboard' and features a 'For you' section with several cards: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes), 'Build a web app with Watson Speech to Text' (Deploy a conversational interface compatible with any application, device, or channel), 'Explore IBM Cloud Shell' (Try a command-driven approach for creating, developing, and deploying a web project), and 'Get started with Watson Discovery' (Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code). Below these cards are sections for 'User access', 'News' (All About IBM Storage's Price and Supply Guarantee), and 'Planned maintenance'.

Step 2: Search Watson Assistant

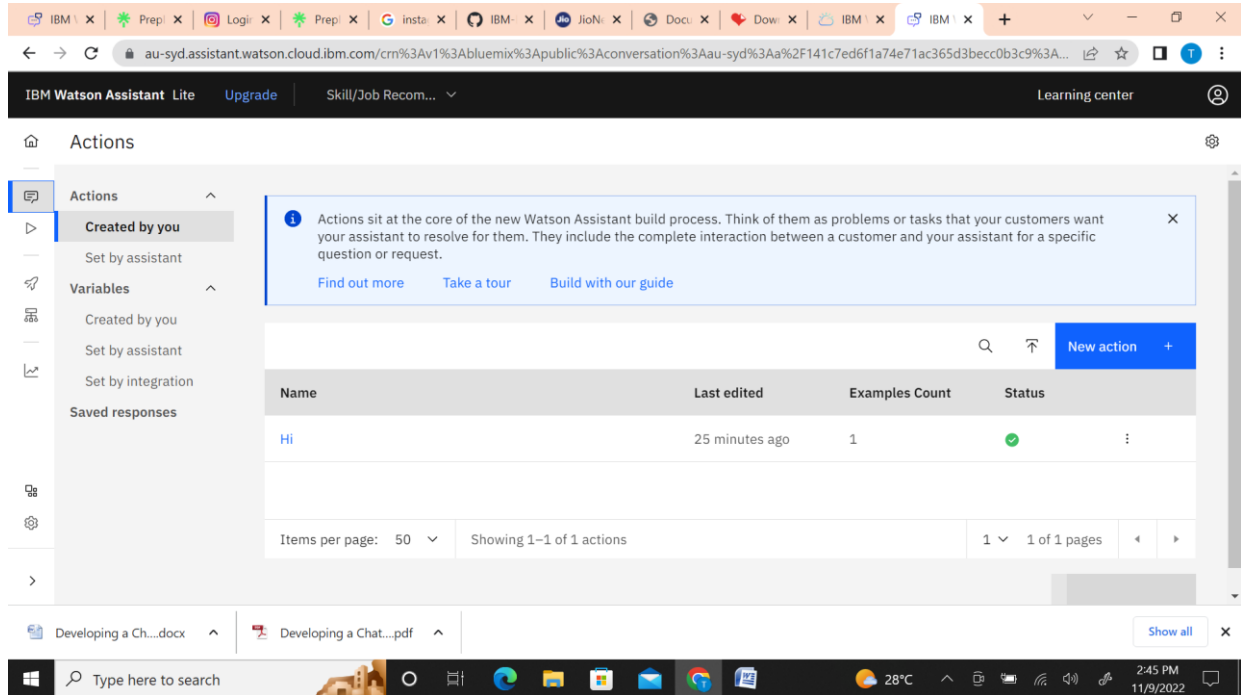
The screenshot shows the IBM Cloud catalog page for Watson Assistant. The page title is 'Watson Assistant' with a subtitle 'Watson Assistant lets you build conversational interfaces into any application, device, or channel.' The 'Create' tab is selected. On the left, there's a sidebar with 'Type Service', 'Provider IBM', 'Last updated 11/08/2022', 'Category AI / Machine Learning', and 'Compliance EU Supported HTPA & Enabled'. The main content area has a 'Select a location' dropdown set to 'Sydney (au-syd)' and a 'Select a pricing plan' section. The pricing table shows a 'Lite' plan with 'Everything you need to get started, free for as' and a 'Free' price. On the right, a 'Summary' panel shows 'Watson Assistant' is 'Free', with location 'Sydney', plan 'Lite', service name 'Watson Assistant-83', and resource group 'Default'. There's a checkbox for 'I have read and agree to the following license agreements:' with a 'Terms' link. At the bottom, there are 'Create' and 'Add to estimate' buttons.

Step 3: Then Select the Launch Watson Assistant

The screenshot shows the IBM Cloud console for a Watson Assistant instance named 'Watson Assistant-a1'. The instance is in an 'Active' state. On the left sidebar, the 'Manage' tab is selected, with sub-options for 'Service credentials', 'Plan', and 'Connections'. The main content area has a heading 'Start by launching the tool' and a large blue button labeled 'Launch Watson Assistant'. Other links include 'Getting started tutorial' and 'API reference'. On the right, a 'Plan' section shows the current plan is 'Lite' with an 'Upgrade' button. Below the main heading, a 'Credentials' section displays the API key and URL. The browser's address bar shows the URL: cloud.ibm.com/services/conversation/cm%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2F141c7ed6f1a74e71ac365d3becc0b3c9... The Windows taskbar at the bottom shows the time as 2:36 PM on 11/9/2022.

Step 4: Then Get Started

The screenshot shows the 'Welcome, you're in the new Watson Assistant!' page. The page features a 'Take a tour' button and three main sections: 'Faster build' (with a 'Get started' link), 'Easy to use' (with a 'View documentation' link), and 'New features' (with a 'See what's new' link). Below these sections, the 'Skill/Job Recommender' skill is listed with the language set to 'English (US)' and a 'No description' note. The browser's address bar shows the URL: au-syd.assistant.watson.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2F141c7ed6f1a74e71ac365d3becc0b3c9... The Windows taskbar at the bottom shows the time as 2:44 PM on 11/9/2022.

Step 5: Then create an action and then make some sample conversation.

The screenshot shows the IBM Watson Assistant interface. The top navigation bar includes 'IBM Watson Assistant Lite', 'Upgrade', 'Skill/Job Recom...', and 'Learning center'. The left sidebar has icons for 'Actions', 'Variables', and 'Saved responses'. The main content area is titled 'Actions' and contains a blue informational box at the top explaining that actions are core to the build process. Below this is a table of actions. The table has columns for 'Name', 'Last edited', 'Examples Count', and 'Status'. One action is listed with the name 'Hi', last edited '25 minutes ago', and an examples count of '1'. The status is indicated by a green checkmark. At the bottom of the table, it says 'Items per page: 50' and 'Showing 1-1 of 1 actions'. A 'New action' button is visible in the top right of the table area. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying '28°C' and '2:45 PM 11/9/2022'.

Name	Last edited	Examples Count	Status
Hi	25 minutes ago	1	✓

Step 6: Then End the Action.

The screenshot shows the IBM Watson Assistant interface. The top navigation bar includes 'IBM Watson Assistant Lite', 'Upgrade', 'Skill/Job Recom...', and 'Learning center'. The main area is titled 'Hi'. On the left, 'Conversation steps' are listed: Step 1 (Hi! How can I help you in finding you a job?), Step 2 (Are you a Fresher or Experienced in this Sector?), and Step 3 (What is your Specialization?). The right pane shows 'Step 1 is taken without conditions'. Below this, 'Assistant says' is displayed with a text box containing 'Hi! How can I help you in finding you a job?'. A 'User enters free text' message is shown below the assistant's response. At the bottom, 'And then' is followed by 'Continue to next step' and a 'Preview' button.

Step 7: Embed the code.

The screenshot shows the IBM Watson Assistant interface with the 'Embed' tab selected. The top navigation bar is the same as in Step 6. The main area is titled 'Web chat Draft'. Below this, a navigation bar shows 'Launcher', 'Home screen', 'Live agent', 'Suggestions', 'Security', and 'Embed'. The 'Embed' tab is active, displaying the heading '</> Embed on your website' and the text 'Ready to launch? It's as easy as copy and paste. [Learn more](#)'. A code block contains the following JavaScript code:

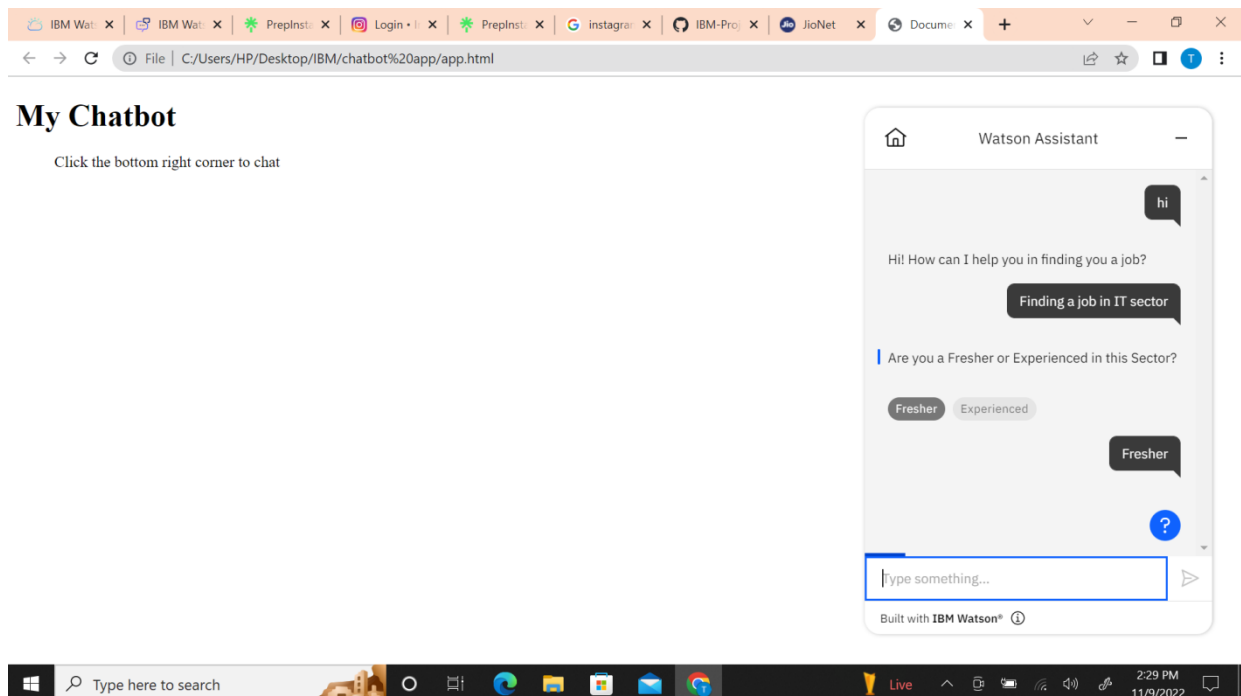
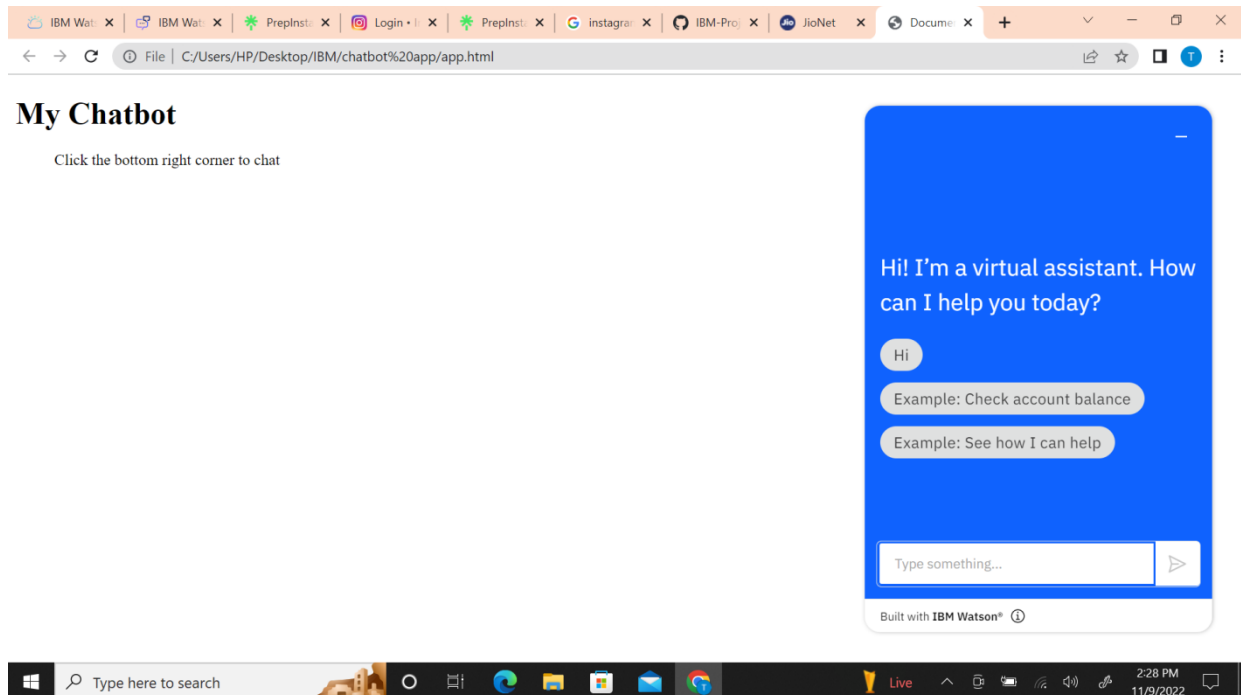
```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "01ca5fe5-3f42-4a97-8965-332afedd97be", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "5683f375-e95c-4fa1-8471-5b76177675c2", // The ID of your service instance.
  onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
  const t=document.createElement('script');
  t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions ?
document.head.appendChild(t);
});
</script>
```

A 'Show more' link is visible at the bottom right of the code block.

INTEGRATING CHATBOT TO HTML PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h1>My Chatbot</h1>
  <blockquote>Click the bottom right corner to chat</blockquote>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "01ca5fe5-3f42-4a97-8965-332afedd97be", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "5683f375-e95c-4fa1-8471-5b76177675c2", // The ID of your service
instance.
    onLoad: function(instance) { instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
</body>
</html>
```

PREVIEW OF CHATBOT



IBM Wat: x IBM Wat: x PreInst: x Login: x PreInst: x Instagram: x IBM-Pro: x JioNet: x Docume: x + - x

File | C:/Users/HP/Desktop/IBM/chatbot%20app/app.html

My Chatbot

Click the bottom right corner to chat

Watson Assistant

What is your Specialization?

I am specialized in CSE

Where do you want to find your job(location)?

Chennai

What are your software skills you are well known in IT Sector?

UI SDE

Type something...

Built with IBM Watson®

28°C 2:30 PM 11/9/2022

IBM Wat: x IBM Wat: x PreInst: x Login: x PreInst: x Instagram: x IBM-Pro: x JioNet: x Docume: x + - x

File | C:/Users/HP/Desktop/IBM/chatbot%20app/app.html

My Chatbot

Click the bottom right corner to chat

Watson Assistant

your question.

hi

Hi! How can I help you in finding you a job?

Finding a job in IT sector

Are you a Fresher or Experienced in this Sector?

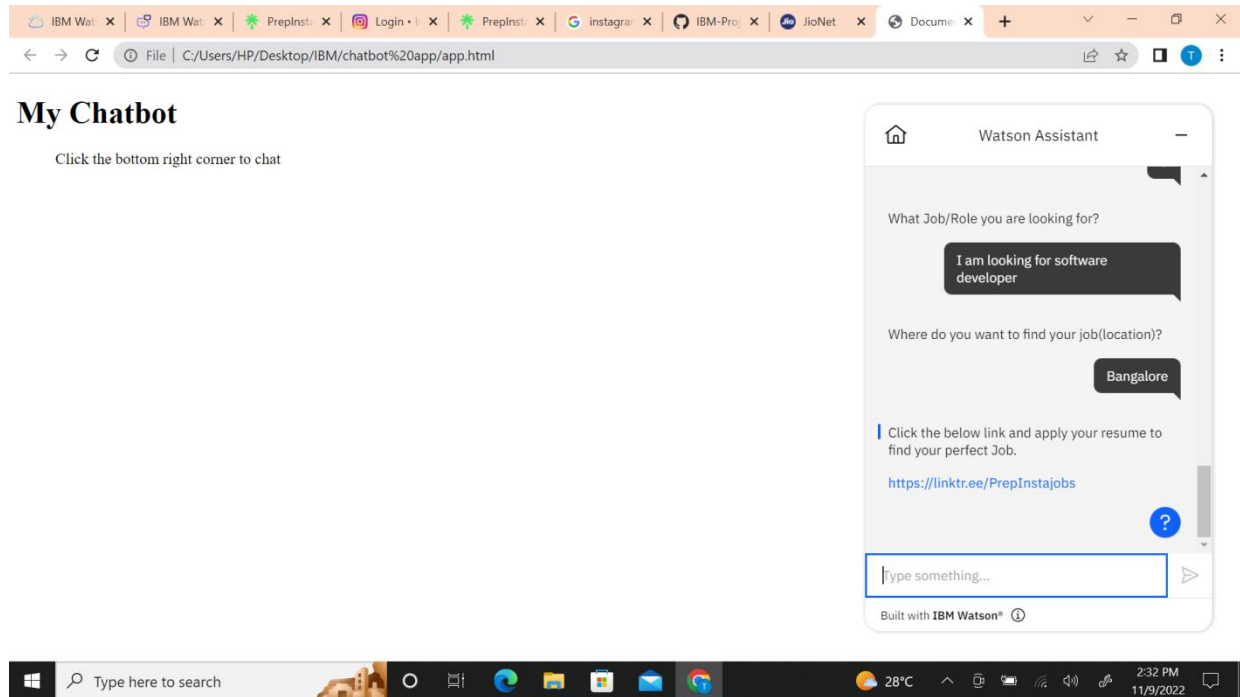
Fresher Experienced

Experienced

Type something...

Built with IBM Watson®

28°C 2:31 PM 11/9/2022



The Chatbot is created and integrated successfully.