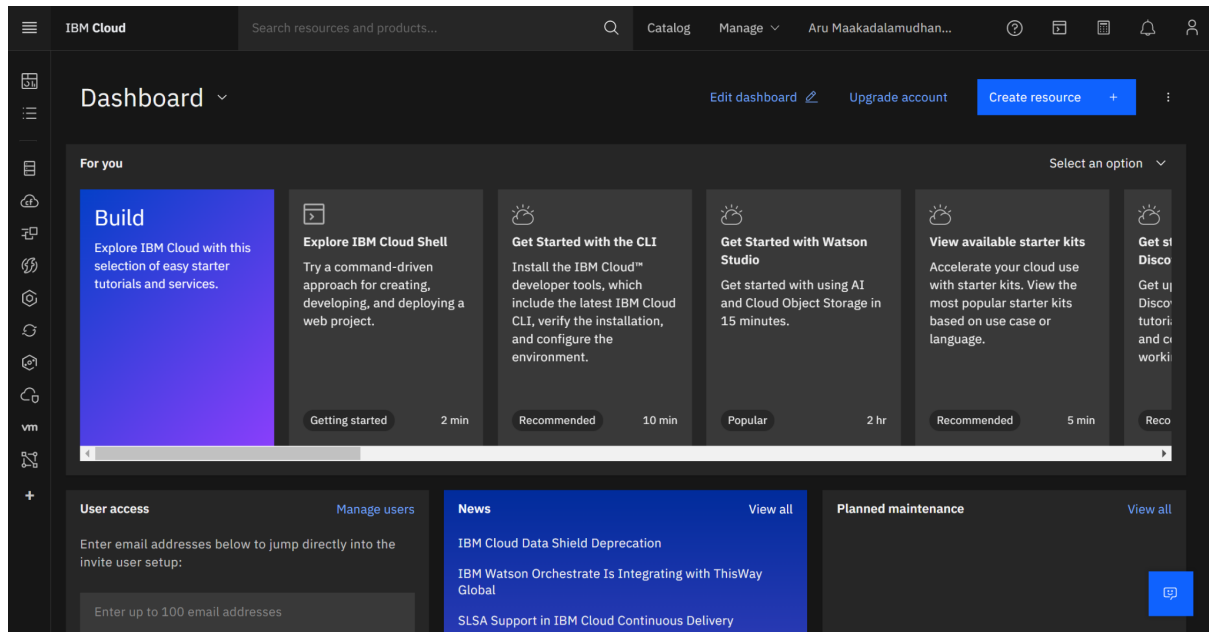


Developing a ChatBot

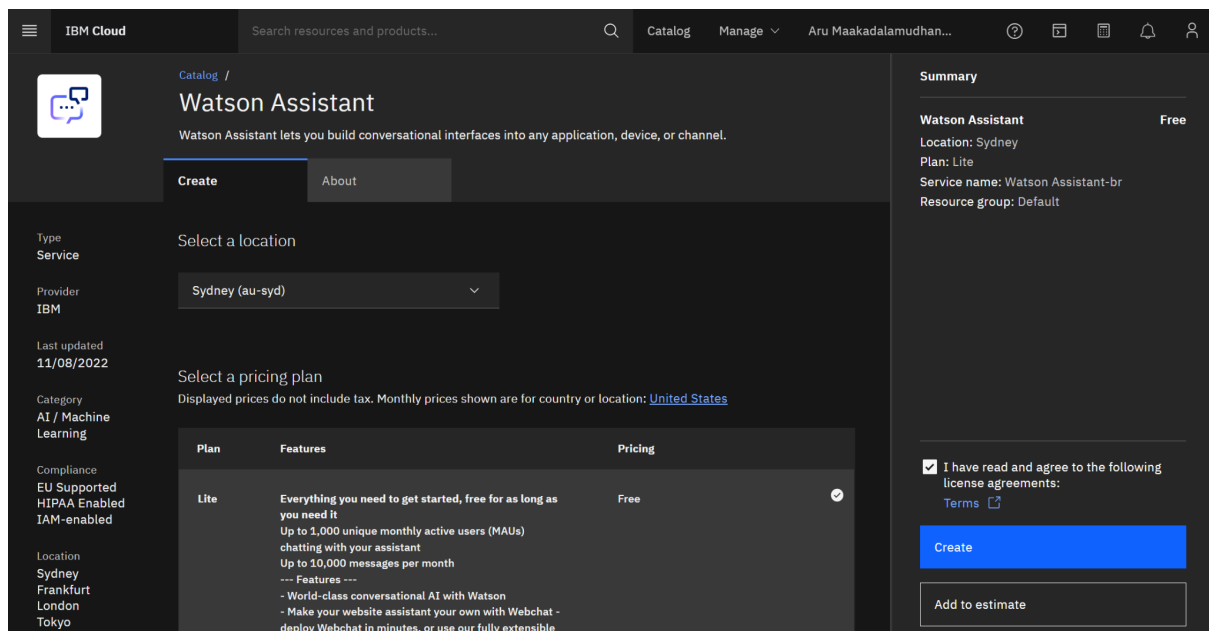
Team ID	PNT2022TMID19786
Project Name	Skill / Job Recommender Application

Steps to develop a ChatBot using IBM Watson Assistant:

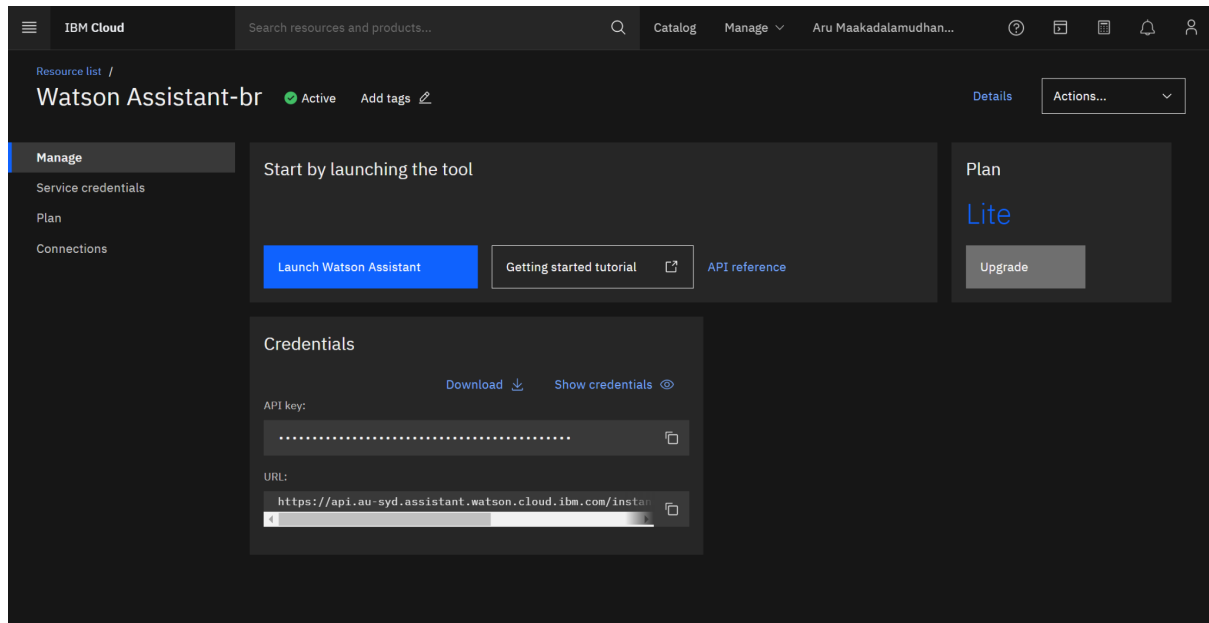
1. Navigate to your IBM Cloud [Dashboard](#).



2. In the search bar at the top type “Watson Assistant service” and click on it to open.



3. Create the Watson assistant by agreeing to the license agreement. After clicking the create button the following page will be displayed.



4. Click “Launch Watson Assistant” and give the Assistant a name & Description of your choice.

The screenshot shows the 'Create your first assistant' form. At the top, a header bar reads 'IBM Watson Assistant Lite' with an 'Upgrade' link and a 'Learning center' link. Below the header, a 'Welcome to the new Watson Assistant' message is displayed next to a blue 'Next' button. The main form area is titled 'Create your first assistant' and includes a brief introduction. It contains three input fields: 'Assistant name' (with the value 'Job Recommender Chatbot'), 'Description (optional)' (with the value 'This Chatbot is designed to provide top/best matching jobs based on the user's resume, profile & primarily their skill set.'), and 'Assistant language' (a dropdown menu set to 'English (US)'). Each field has a small note explaining its purpose.

5. Personalize the new Watson Assistant by answering the following questions.

IBM Watson Assistant

Lite

Upgrade

Job Recommender...

Learning center

Welcome to the new Watson Assistant

BackNext

Personalize your assistant

Tell us where your assistant will live

We will create your first channel integration for you, which will be visible on your dashboard. You can always add more or change later.

Where do you plan on deploying your assistant?

Web

Tell us about yourself

This information will be used to personalize your onboarding experience.

Which industry do you work in?

N/A (I am a student)

What is your role on the team building the assistant?

Designer

Which statement describes your needs best?

I want to make it easier for my customers to find what they're

This is what your customers will experience

Watson Assistant

Do you have the Speed Demons in stock?

The Speed Demons are in stock at our Downtown and Northgate locations, which are both within five miles of you.

What size and color do you need?

I'm looking for a size nine in white

Great news! The Speed Demons are available in white in a size 9.

You can purchase them for curbside pick up or we can ship them to you. Which would you prefer?

I'll pick them up!

Ship them to me, please!

6. Customize your chat UI.

IBM Watson Assistant

Lite

Upgrade

Job Recommender...

Learning center

Welcome to the new Watson Assistant

BackNext

Customize your chat UI

Update the style to match your brand and your website. A developer can also add more advanced styling changes with code. [Learn more](#)

Assistant's name as known by customers

Get your Dream Job

Primary color

#FFFFFF

Secondary color

#3D3D3D

Chat header

Accent color

#a8b4c9

Significant and interactive objects

IBM Watermark

Plus

Displays a link to the Watson Assistant website

On

Add an avatar image

Hi! I'm a virtual assistant. How can I help you today?

Example: Find nearby location

Example: Check account balance

Example: See how I can help

Restart conversation

7. Develop Actions needed for our webpage. We need to create a Chatbot for skill/Job recommender Application, so we've provided these Intent & actions.

The screenshot displays the IBM Watson Assistant configuration interface. On the left, the 'Conversation steps' panel shows a sequence of steps. Step 2 is highlighted, with the prompt 'Choose what kind of role you are interested in'. Below the prompt, there are buttons for 'Developer', 'Designer', and '+ 2'. The 'Assistant says' panel on the right shows the prompt 'Choose what kind of role you are interested in' and a list of suggested responses: 'Developer', 'Designer', 'Nxt Gen Product Advertising', and 'Public Relations'. A 'Preview' window on the far right shows a chat conversation where the user says 'I want to find a Job.' and the assistant responds with 'Welcome, how can I assist you?' and 'Find me a Job'.

8. Output of our Chatbot displaying Job Results for a Fresher Successfully!

The screenshot displays the IBM Watson Assistant configuration interface for Step 3. The 'Conversation steps' panel on the left shows Step 3 with the prompt 'Are you a Fresher?'. The 'Assistant says' panel on the right shows the prompt 'Are you a Fresher?' and a list of suggested responses: 'Yes' and 'No'. A 'Preview' window on the far right shows a chat conversation where the user says 'Are you a Fresher?' and the assistant responds with 'Yes' and 'No'. Below the chat preview, there is a section for 'Check this latest Job openings from Indeed for freshers:' followed by a URL: <https://in.indeed.com/Fresher-Software-jobs-in-Coimbatore,-Tamil-Nadu?vjk=b90b5bd1f455899e>.

Integrating ChatBot - Embed Code:

The screenshot shows the IBM Watson Assistant web interface. The browser address bar displays 'au-syd.assistant.watson.cloud.ibm.com/#'. The page title is 'IBM Watson Assistant Lite'. The main content area is titled 'Web chat' with a 'Draft' status. Below this, there are tabs for 'Style', 'Launcher', 'Home screen', 'Live agent', 'Suggestions', 'Security', and 'Embed'. The 'Embed' tab is selected, showing a code editor with the following JavaScript code:

```
</> Embed on your website
Ready to launch? It's as easy as copy and paste. Learn more

<script>
window.watsonAssistantChatOptions = {
  integrationID: "3bdc63b7-8000-42f6-b740-2ee675706e42", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "f3609f0d-a18b-44fc-8a9c-5f3517731a31", // 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')
  document.head.appendChild(t);
});
</script>
```

On the right side, there is a 'Learning center' sidebar with a user profile for 'Aru Maakadalamudhan.T' (arumaa07@gmail.com). The sidebar includes links for 'Plan', 'Lite plan', 'Upgrade', 'Owner', 'Instance', 'IBM Cloud Dashboard', 'Add users', 'Manage users', 'Usage and billing', 'Privacy', 'About', 'What's new', 'Switch to classic experience', and 'Log out'.

```
<script>

window.watsonAssistantChatOptions = {

    integrationID: "3bdc63b7-8000-42f6-b740-2ee675706e42", // The ID of this
integration.

    region: "au-syd", // The region your integration is hosted in.

    serviceInstanceID: "f3609f0d-a18b-44fc-8a9c-5f3517731a31", // 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>
```