

Section 1 – Setup Amazon Q Business

The screenshot shows the 'Applications' section of the Amazon Q Business console. It displays a single application entry:

Name	Created	Type	Index	Created	User account	Web experience	Web experience
CareerCoachAssistant	Created success	Native	Index n...	Aug 20, 20...	Authenticat...	Deployed suc...	https://w...

Below this, the IAM Identity Center Groups page is shown for the 'CareerCoaches' group. It lists two users assigned to the group:

Username	Display name	Status	Email
career.coach.one	Career Coach One	Enabled	qbusiness@vocareum.com
career.coach.two	Career Coach Two	Enabled	qbusiness_2@vocareum.com

Section 2 – Create Application

Create basic application

AI Powered Career Coaching Assistant App

Analyzes CV vs job profile, finds skill gaps, and recommends training.

File
Upload Resume/CV
sample-cv-01.docx

File
Upload Job Description
sample-job-description-01.docx

Output
Skill Gap Analysis

Career Gap Analysis: Cloud Solutions Architect – Generative AI Position

Job Description Summary

Key Responsibilities:

- Architect and design scalable Generative AI solutions on cloud infrastructure
- Engage with customers to translate business challenges into AI/ML solutions
- Develop best practices for AI model deployment including security and governance

Output
Training Recommendations

Tailored Learning Plan for Cloud Solutions Architect – Generative AI Position

Run ▶ ↻ Reset

Based on the skill gap analysis, I've created a customized learning plan to help you prepare for the Cloud Solutions Architect – Generative AI role. Since I don't have access to specific course catalog data in this session, I'll provide recommendations based on commonly available courses that would address the identified

Section 3 – Enhance your application

AI Powered Career Coaching Assistant App

Analyzes CV vs job profile, finds skill gaps, and recommends training.

File
Upload Resume/CV
sample-cv-01.docx

File
Upload Job Description
sample-job-description-01.docx

Text input
Career Coach Notes / Recommendations
learner only has 3 hrs. per week

Output
Skill Gap Analysis

Career Gap Analysis: Cloud Solutions Architect – Generative AI Position

Job Description Summary

Output
Training Recommendations

Tailored Learning Plan for Cloud Solutions Architect – Generative AI Role

Based on the skill gap analysis and the learner's limited availability (3 hours per week), I've created a focused learning plan that prioritizes the most critical skills needed for the target role.

High Priority Skill Gaps

Output
Suggested Learning Schedule

36-Week Study Schedule for Cloud Solutions Architect – Generative AI Role

Run ▶ ↻ Reset

This personalized study schedule is designed for your limited availability of 3 hours per week, prioritizing high-impact skills first while ensuring a manageable and consistent learning pace.

Solution exploration:

Uploaded files Info

Uploaded files (8)				Delete files	Add files
<input type="checkbox"/>	Document name	Upload time	Upload status	Status details	
<input type="checkbox"/>	Medicine-Course-Catalog-C.pdf	Dec 06, 2025, 8:35 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	Additional-Course-Catalog-B.pdf	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	Medicine-Course-Catalog-A.pdf	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	Medicine-Course-Catalog-B.pdf	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	Additional-Course-Catalog-A.pdf	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	link-to-udacity-digital-training-catalog...	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	course_access_acl.json	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	
<input type="checkbox"/>	Other Training Catalog URLs.txt	Dec 06, 2025, 8:32 AM PST	Indexed	Ready to use as a source	

Data sources read:

AI Powered Career Coaching Assistant App

The screenshot shows the AI Powered Career Coaching Assistant App interface. At the top, there are two input documents: "sample-cv-01.docx" and "sample-job-description-01.docx". Below the inputs, the app displays the following analysis results:

- Skill Gap Analysis:** "student has only 3 hrs. per week"
- Career Gap Analysis: Cloud Solutions Architect – Generative AI Position**
- Job Description Summary:** "Output" and "Training Recommendations".
- Tailored Learning Plan for Cloud Solutions Architect – Generative AI Role:** "(3 hours per week availability)"
- High Priority Skill Gaps:** "Output" and "Suggested Learning Schedule".
- Sources:** "Additional-Course-Catalog-B.pdf"

At the bottom of the interface are "Run" and "Reset" buttons.

Section 4 – Tap into additional course catalog

Created s3 bucket

career4all-course-catalog-anandsr [Info](#)

[Objects](#) [Metadata](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

Name	Type	Last modified	Size	Storage class
data/	Folder	-	-	-
link-to-udacity-digital-training-catalog.txt	txt	December 6, 2025, 09:03:40 (UTC-08:00)	31.0 B	Standard

Data source synced:

Data sources [Info](#)

[▶ How it works](#)

Index

Index name CareerCoachIndex	Index provisioning 1	Index ID 69f4b537-481e-4db5-8f1d-ed9dd81fec15
Index status Active	Document count 8	Retriever ID 9f0bf64f-3c24-41a6-985f-8160bb0bf6a9
Last modified time December 06, 2025, 09:08 (UTC-08:00)	Storage used 919.24 KIB	Retriever Native retriever: Starter

Data sources (2) [Info](#)

Search data sources

Name	Source	Data source state	Last sync time	Last sync status	Current sync state	Access Control List
S3CourseCatalogs	S3V2	Active	-	-	Idle	-
Uploaded files	FILE UPLOADER	-	-	-	-	-

Index tags (4) [Info](#)

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value
aws:cloudformation:stack-name	c167542a4306627112970820t1w285573937591

Setup daily sync:

Amazon Q Business > Applications > CareerCoachAssistant > Data sources > S3CourseCatalogs > Update S3

Data source location

This AWS account
 Other AWS account

Sync scope Info

Enter the data source location Info
Locate the S3 bucket where your data is stored.

s3://career4all-course-catalog-anandsr

Maximum single file size Info

Set the maximum file size for crawling. Files with size up to 10,240 MB for video files, 2,048 MB for audio files, 500 MB for PDF/Word/PowerPoint documents, and 50 MB for all other supported documents can get indexed. Note that files exceeding 30 MB won't be indexed. [Learn more about enabling video and audio.](#)

50 MB
Standard text documents: 500 MB max. If video/audio enabled: videos up to 10,240 MB, audio up to 2,048 MB.

Access control list (ACL) configuration file location - optional Info

Locate the ACL configuration file.

s3://career4all-course-catalog-anandsr/data/Security/course_access_acl_coach.json

Metadata files folder location - optional Info

Locate the folder that has your metadata JSON.

Filter patterns - optional

Add a pattern to include only certain folders, or to exclude folders, file types or specific files in your repository. All paths are relative to the data source location S3 bucket. You can have a combined total of 100 patterns.

Multi-media content configuration - optional

Advanced Settings - optional Info

Sync run schedule Info

Tell Amazon Q Business how often it should sync this data source. You can check the health of your sync jobs in the data source details page once the data source is created.

Frequency
Select how often you want your data source to sync.

Start time
 17 : 09 (UTC)
Local 09:09 AM (UTC-8)

Amazon Q Business > Applications > CareerCoachAssistant > Data sources > S3CourseCatalogs > Update S3

text exceeding 30 MB won't be indexed. [Learn more about enabling video and audio.](#)

50 MB
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Access control list (ACL) configuration file location - optional Info

Locate the ACL configuration file.

s3://career4all-course-catalog-anandsr/data/Security/course_access_acl_coach.json

Metadata files folder location - optional Info

Locate the folder that has your metadata JSON.

Filter patterns - optional

Add a pattern to include only certain folders, or to exclude folders, file types or specific files in your repository. All paths are relative to the data source location S3 bucket. You can have a combined total of 100 patterns.

Multi-media content configuration - optional

Advanced Settings - optional Info

Sync run schedule Info

Tell Amazon Q Business how often it should sync this data source. You can check the health of your sync jobs in the data source details page once the data source is created.

Frequency
Select how often you want your data source to sync.

Start time
 17 : 09 (UTC)
Local 09:09 AM (UTC-8)

The screenshot shows the AWS CloudFormation Sync Settings page. At the top, there are tabs: Sync history, Troubleshooting tools - new, **Settings**, and Tags. The **Settings** tab is selected.

IAM role

IAM role ARN
arn:aws:iam::285573937591:role/QBusinessDataRole [Edit](#)

Sync scope

Data source bucket
s3://career4all-course-catalog-anandsr

Access control list configuration
-

Maximum single file size
50 MB

Multi-media content configuration
Text based content

Include/Exclude file patterns
Include and exclude documents from indexing.

Account ID
285573937591

Metadata files folder location
-

Document deletion safeguard
Off

Sync schedule

Sync run schedule (UTC)
At 05:09 PM

Section 5 – Enhance security of your application

Created access control list(ACL) and applied

Sync scope [Info](#)

Enter the data source location [Info](#)
Locate the S3 bucket where your data is stored.
Q s3://career4all-course-catalog-anandsr [X](#) [Browse S3](#)

Maximum single file size [Info](#)
Set the maximum file size for crawling. Files with size upto 10,240 MB for video files, 2,048 MB for audio files, 500 MB for PDF/Word/PowerPoint documents, and 50 MB for all other supported documents can get indexed. Note that regardless of file type, any file with extracted text exceeding 30 MB won't be indexed. [Learn more about enabling video and audio](#) [Edit](#)

50 MB
Standard text documents: 500 MB max. If video/audio enabled: videos up to 10,240 MB, audio up to 2,048 MB.

Access control list (ACL) configuration file location - optional [Info](#)
Locate the ACL configuration file.
Q s3://career4all-course-catalog-anandsr/data/Security/course_access_acl_coach.json [X](#) [Browse S3](#)

Metadata files folder location - optional [Info](#)
Locate the folder that has your metadata JSON.

Filter patterns - optional
Add a pattern to include only certain folders, or to exclude folders, file types or specific files in your repository. All paths are relative to the data source location S3 bucket. You can have a combined total of 100 patterns.

Multi-media content configuration - optional

Advanced Settings - optional [Info](#)

```
[  
  {  
    "keyPrefix": "s3://career4all-course-catalog-anandsr/data/Medicine",  
    "aclEntries": [  
      {  
        "Name": "career.coach.one",  
        "Type": "USER",  
        "Access": "ALLOW"  
      }  
    ]  
  },  
  {  
    "keyPrefix": "s3://career4all-course-catalog-anandsr/data/Medicine",  
    "aclEntries": [  
      {  
        "Name": "career.coach.two",  
        "Type": "USER",  
        "Access": "DENY"  
      }  
    ]  
  }  
]
```

Career-coach-two – Access:

- Before ACL applied:



show medical courses



Medical Courses Overview

The medical curriculum includes various courses across different semesters and specialties. In the third semester, students take Neuroscience and Neurology, which covers pathology, physiology, and structure of the brain, spinal cord, and nervous system. [\[1\]](#)

Evidence-Based Medicine is offered as part of the research curriculum, teaching students to develop clinical questions, search strategies, and critical appraisal of medical literature using online resources. [\[1\]](#)

Some medical schools require specific competencies in Biology (gene expression, cell structure, metabolism), Mathematics (statistics, data analysis), and Physics (mechanics, electricity, magnetism). [\[2\]](#) George Washington University recommends courses in Literature, Mathematics, and Physics. [\[2\]](#)

The University of Iowa requires two semesters of introductory Biology with labs plus an advanced course, three semesters of Chemistry including General and Organic with labs, two English courses, one advanced Mathematics or Statistics course, and two semesters of Physics with labs. [\[2\]](#)

Clinical Medicine curriculum consists of an eight-week research module followed by 72 weeks of clinical clerkships, including 42 weeks of required core rotations (Internal Medicine, Surgery,

Company knowledge

General knowledge

Ask a followup question

Plugins

Advanced search

Amazon Q Business uses generative AI. You may need to verify responses for accuracy. [AWS Responsible AI Policy](#)

- **After ACL applied:**



list down the medical courses



Based on the available course catalog information, there is only one medical-related course mentioned:

MED201: Material Science and Engineering (3-0-1, 4 credits), which appears in the First Semester curriculum with 20 credits. [1](#) This course is categorized under Engineering Sciences (ES). [1](#)

No other specific medical courses are found in the provided data source. The documents primarily contain information about Core Common Curriculum requirements, Computer Science courses, and basic curriculum structure at SNU.

[Events](#)

[Sources](#)



[1](#) [Additional-Course-Catalog-B.pdf](#) [2](#)

<https://career4all-course-catalog-anandsr.s3.us-west-2.amazonaws.com/data/Additional-Course-Catalog-B.pdf>

Updated December 6, 2025

Keyword blocking - Guardrails applied for keywords:



What do you know about gambling?



I cannot complete this request as the response contains content that is blocked by your Admin.
Please contact your Admin for help.



[Company knowledge](#)

[General knowledge](#)



[Ask a followup question](#)



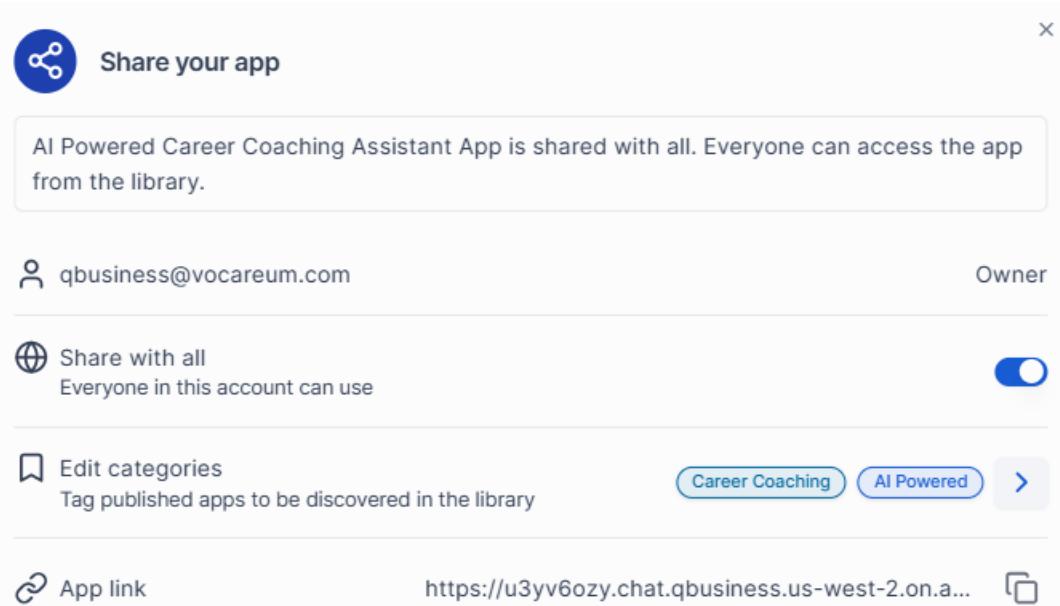
Plugins

Advanced search

Amazon Q Business uses generative AI. You may need to verify responses for accuracy. [AWS Responsible AI Policy](#)

aws

Section 6 – Share your application



The screenshot shows the 'Q Business Library' interface. The title 'Q Business Library' is at the top center, with a sub-instruction 'Explore all that you can do with Q Apps and plugins to increase your efficiency'. Below the title are two buttons: 'Q Apps' and 'Plugins'. A navigation bar below the buttons includes 'All Apps' (which is selected and highlighted in blue) and other categories: Legal, Marketing, Finance, Operations, HR, IT, Support, Career Coaching, Sales, and AI Powered. Three cards are displayed, each representing a different app:

- AI Career Coaching Assistant**: Published on December 7, 2025. Description: An AI-powered tool that analyzes skill gaps between your CV and job descriptions, then... [Open](#)
- Customer Complaint Response...**: Published on December 5, 2025. Description: Generates a polite, professional response to customer complaints that can be read over the... [Open](#)
- AI Powered Career Coaching Assista...**: Published on December 6, 2025. Description: Analyzes CV vs job profile, finds skill gaps, and recommends training. [Open](#)