

TALENTPITCH DATA ANALYST CHALLENGE

You will find different sections here. Mind that:

- You can choose which sections to solve based on your experience and available time.
- If you don't know how to solve a section, you can proceed with the following one.
- You can use whichever language, libraries, and frameworks, but we prefer engineers with experience in python and similar.
- The usage of cloud services is allowed, you can choose whichever cloud provider that you want.
- Try to use best practices and principles
- Use git for your code

1. API

We have to make a DB migration with different tables for example, challenges, resumes, users, and profiles. Create a REST API for:

- Receive historical data for any source, mysql relational, files like csv etc. you can choose your approach for this case we provide a demo csv.
- Upload this data to a new database, you are free to choose a relational or a non relational database based on the data structure, also provide a method or functionality for encrypt or anonymize the personal information.
- Be able to insert batch transactions (1 up to 3000 rows) with one request.

Points:

- ❖ You decide the origin where csv are located to consume or if use database the origin
- ❖ You decide the destination, you are open to define NoSQL or SQL databases based on data structure.

2. SQL TASK

Now you can explore the data that you inserted in point 1. In the company the growth area is asking for some information to generate reports.

Task:

- ❖ Number of challenges that was created in the last 3 months, with the objective of every challenge and with status are published, order by the most recent date of creation

Example:

Id_challenge	Name	Description	Status	OpenCall_Objective	Created_at
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123120	Buscamos cantantes de ópera	Quieres participar en conciertos de ópera	Published	Artists	2024-09-23
155959	Necesitamos jugadores de fútbol	Quieres jugar en grandes equipos	Published	Athletes	2024-09-23

- ❖ List of users that have his onboarding goal objective (profile table) in be_discovered and that have a video uploaded in the platform for the last 2 months. Keep in mind that if the user has more than one video in the resumes table you have to choose one option using this rule, the type of video is pitch_video. the video must be a valid url and not null.

Example:

id_user	video	main_objective	updated_at	created_at	pitch_name
231200	https://media.com/video/my-pitch.mp4	be_discover	2024-09-23	2024-07-05	video personal

- ❖ List of top users with highest profile views of their profiles

3. DATA VISUALIZATION

With the data in the database now can you generate a dashboard using a tool like power bi or tableau to connect the source in the data tool and create a dashboard that illustrates the information in point 2. you are free to decide which graphics to use for example, linear, bar, etc.

1. systems similar to apps of video like tik tok but based on our app you can download from these links.

<https://play.google.com/store/apps/details?id=com.interacpedia.app>

<https://apps.apple.com/co/app/talentpitch/id1627026873>

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