

The task:

Build a simple web dashboard to look at data coming in from a database.

1. Setup a database:
 - a. Use whatever database you're most comfortable with
 - b. Postgres/MySQL/MongoDB etc.
2. Load a sample dataset into your database
 - a. For postgres we recommend the [chinook dataset](#)
 - b. *Use another sample dataset if you're familiar with something else. Eg: MongoDB: [Available Sample Datasets for MongoDB](#)*
3. Write an API to retrieve data from the database. Use any programming language or framework that you're familiar with
4. Create a web app that pulls data from the API and shows data in a tabular format
5. Once you're done with local development, deploy the application. Please note that we will reimburse your hosting credits upto \$50 if you don't have free credits for your favourite cloud-vendor / platform.

Deliverables:

1. Send us a link to check out the application that you built (deploy the application wherever convenient)
2. Send us a zip of all your code
3. Share your recording with us via something like google drive/dropbox

What we're looking for and what we're not looking for:

1. We want to evaluate your fullstack skills across databases, building APIs, familiarity with how web clients/apps work, CI/CD.
2. This task intends to have you touch upon all these portions, just on the surface with whatever is feasible considering a limited amount of time.
3. Feel free to go deeper into whatever area you're most comfortable with if you want to show off, and feel free to do something at the barebones level if that's not a very comfortable area of work for you. Feel free to do everything at the barebones level initially and only go deeper into things once you're done with everything and if you see you have time and energy leftover :)
4. We're not looking for you jamming a large number of features into this exercise. For example: Your web dashboard and your web API can pull in data from just one table

How to do this task:

1. Spend as much time as you'd like on the task, but ideally between 4-8 hours. Once you're done with the task (or the time you gave yourself) let us know how much time you took.

2. Screen record yourself (along with some audio narration) as you do this and then send us the video. Don't worry about the quality and all that. Imagine you're sharing information with a colleague.
3. You need not record the whole exercise if you're not comfortable. You can record the beginning, some bits in the middle and the final demo towards the end. If it's easier for you, feel free to record the whole task too!
4. Ask us anything! Please feel free to ask us whatever questions you have on the email thread we have with you.