

Interview questions

Duration: 45 minutes + 15 minutes

1. Architecture/coding (45 minutes)

Tools: any tools can be used (code assistants, web search, ...). It has to be done only by the person interviewed (no help from other people on the team). Any follow-up questions to further clarify the requirements are allowed at any time.

Scope: the main scope is not necessary to finish the project (if it can be finished it is a big plus). The scope is to see the thinking process, to see the familiarities with the technology stack used by zyprova, to see the time management capabilities, to see how the code is structured, to see questions asked to clarify the requirements, ...

Project

You will be given postgres dump file with data. Create postgres database and import .dump file. This will be the dataset that you'll operate with.

Create a new NestJS project.

Within the project create a RESTful API that will:

- Provide the information how many employees are per department
- Allow salary update for an employee.

Using Vue.js create a page with a simple HTML table where average employee salary per department is presented.

Using Postman or curl show the results of the RESTful API call.

Code should be committed on github. If ChatGPT or similar helping tool is going to be used, please share the chat link.

2. Processes (15 minutes)

- Code versioning
- Project management
- Testing