

Junior Back End Developer

CHALLENGE

Context: We would like you to build a small API to test your knowledge of Back End Development and related technologies.

The server, once an hour, should connect to the API (refer to the below url) which shows recently posted articles about Node.js on Hacker News. It should insert the data from the API into a database and also define a REST API which the client (e.g. Postman) will be used to retrieve the data.

Hacker News URL: https://hn.algolia.com/api/v1/search_by_date?query=nodejs

The service should return paginated results with a maximum of 5 items and should be able to be filtered by author, _tags, title. Also, this should permit the user to remove items and these ones should not reappear when the app is restarted.

STACK

You must use the following technologies to build the app:

- Active LTS version of [Node.js](#) + [Express JS](#) or [Nest JS](#).
- Database: MongoDB or PostgreSQL.
- ORM: Choose whatever you like.

CONSIDERATIONS

- Node.js version active LTS
- The server component should be coded in Javascript or TypeScript.
- At least 30% test coverage (statements) for the server component.
- The whole project has to be uploaded to GitLab.

BONUS

(This items are optionals)

- Tests and linters should run on a GitLab pipeline (gitlab-ci.yml).
- Test and linter setup.
- The client should be compiled in a Docker multi-stage build.
- Good use of Typescript
- Swagger Doc for the API
- The repository must have an exported postman file in order to test the API.
- The artifacts (server API) **can be** Dockerized.

Other than that, you are free to use any suitable npm or other libraries.

Send us your completed code as a public Gitlab repo URL emailed to veronika@reign.cl.

Include a README which explains anything we need to do to run the demo app, for example: setting up a database, forcing a data refresh to populate the DB for the first time, etc.

If you have any questions about the task, please let us know.

Once again, thank you for your time and we are looking forward to seeing the results!