Coding test :

You must create a REST API with NodeJS and a webapp or website consuming the REST API using ReactJs (typescript is preferred for both)

Global Requirements:
- README that contains the instruction to build and run the project
- Hosted on Github like repository (easier to do the review)
- For the storage use in memory or local file

Functional requirements:
- The user should be able to create a note, modify a note, delete a note, and have a list of all the notes
- A user can choose to encrypt a note using a key of his choice, in this case he will be able to decrypt the note using the same key
- The list can be sort by title and paginated by 5,10,20
- A note has a size limit of 140 characters
- Everything you would like to show us

Requirements Backend REST API:
- Minimum of 3 endpoints (POST, GET, PUT/PATCH)
- All the code is unit tested with a coverage > 90%

Requirements Front-end:
- At least 1 functional
- At least 1 class component

The idea of the test is to show your coding skills and then explain your implementation choices.
Ideally, the code should be ready for production. So, think about testing, security, maintainability... Show us what you think a production-ready code should look like.
You have 4 days to complete this little project, we are looking forward talk about it!

For any questions on the test, you can contact me by
email: arnaud.paul@dormakaba.com or via LinkedIn https://www.linkedin.com/in/arnaud-paul/

Arnaud Paul
Software Development Manager