Caixa Mágica Software

Technical Challenge - Backend (NodeJS)

Goal

- Create a RESTful API with NodeJS and Express framework.

Instructions

1. Download dataset from http://simple-api.herokuapp.com/api/v1/articles to a JSON file and use it to emulate your database. (You don't need to use a database).
2. Implement RESTful API endpoints to fulfill the following specification:

   - Pull a list of all articles.
   - Pull a single article by id.
   - Pull a list of all articles from an author by author id.
   - Create an article with params:

     - title
     - intro
     - content
     - author_id

   - Update an article with params:

     - title
     - intro

   - Bonus:

     - Pull a list of all articles with pagination (5 elements per page).
     - Pull a list of all articles created between two dates.
     - Pull a list of article search results, searching by title.
     - Get a list of articles from external data source.

       - Create a module that can use http.get to hit an external API(http://simple-api.herokuapp.com/api/v1/articles) and pull a list of articles. For bonus points, have it return a promise.
       - Create a Node URL that hits this endpoint and returns the data.

3. Write a short documentation with:

   - How to launch the API.
   - API documentation, including request and response examples.

Notes

- All data changes must be persistent in the file.