Fullstack Developer Test

NodeJS

Please create below REST API using NodeJS:

1. Login API
   a. The API should validate username and password
   b. List of valid username and password should be stored on a DBMS
   c. Any DBMS is allowed
   d. The API should implement JSON Web Token (JWT)

2. Get job list API
   a. The API should be secured with JWT Authorization
   b. The API should make http request to
      http://dev3.dansmultipro.co.id/api/recruitment/positions.json and return jobs data as response payload.
   c. The API should provide "search" functionality tearch for jobs by term, location, full time vs part time, or any combination of the three. All parameters are optional.
      Parameters
         i. **description** — A search term, such as "ruby" or "java". This parameter is aliased to search.
         ii. **location** — A city name, zip code, or other location search term.
         iii. **full_time** — If you want to limit results to full time positions set this parameter to 'true'.
      Example
      http://dev3.dansmultipro.co.id/api/recruitment/positions.json?description=python&location=berlin

   d. The API should support pagination
      Example
      http://dev3.dansmultipro.co.id/api/recruitment/positions.json?page=1

3. Get job detail API
   a. The API should be secured with JWT Authorization
   b. The API should make http request
      http://dev3.dansmultipro.co.id/api/recruitment/positions/{ID} and return job detail data as response payload.

ReactJS
Please create ReactJS application as client of REST APIs that has been created with NodeJS.
The application should have following pages:
1. Login page
2. Job list page
   The page should have "search" and pagination functionality

3. Job detail page

GitHub Jobs

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Full Time / Berlin
Data Engineer

Trade Republic is Europe's first commission-free mobile broker.

We offer easy, fast and convenient access to capital markets for everyone. With a German banking license and partners such as HSBC, Blackrock and solarisBank, we make stock trading dead simple and commission-free. We believe brokerage is poised for disruption driven by technology and automation. We have developed a proprietary banking platform operating for a fraction of the cost of traditional banks.

What you'll be doing

- develop and maintain the data analytics infrastructure at Trade Republic
- expand the data warehouse to cover further use cases in close collaboration with the business intelligence team and external experts
- be responsible for connecting data to the data warehouse from different sources, such as marketing partners, accounting tools, and many more
- provide input on data models and analytical tasks from a data handling perspective
- efficiently implement analytical models to work with large data sets

What we look for

- 1 to 2 years of experience in a data-related engineering role
- you are passionate about building a modern financial system that redefines how people invest their money in today's markets
- proficiency in Python (pandas, numpy, scikit)
- advanced SQL skills and experience with ETL pipelines
- background in computer science or a quantitative field with demonstrable coding experience
- ability to work highly independent and deliver projects on time
- basic knowledge of statistics
- fluent English skills, German is a plus
- Optional: First experiences with R, regression models, or self-service BI tools such as Metabase or Tableau, and interest in distributed data processing are a plus

Trade Republic   1 other job

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How to apply

Email your resume to join@traderepublic.com or apply directly at https://traderepublic.com/careers/#data-engineer

Note: *The job list and job detail image above is an example app with minimum expected functionality. UI design can be modified without reducing functionality and information.*