

## MERN Stack Task: Simple Job Board Application

**Objective:** Build a basic Job Board where companies can post jobs and users can browse them.

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### Requirements

#### Frontend (React.js)

- Home Page
  - Show a list of all jobs with title, company, and location.
- Job Details Page
  - View job description and requirements.
- Post Job Page
  - Form for companies to post a new job (title, company name, description, location).
- Basic navigation (React Router).
- Use Axios or Fetch for API calls.
- Form validations (e.g., required fields).
- Responsive UI (basic styling with CSS or Bootstrap).

#### Backend (Node.js + Express.js)

- API Endpoints:
  - GET /jobs – List all jobs.
  - GET /jobs/:id – Get details of a single job.
  - POST /jobs – Create a new job.
- Use Express Router.
- Input validation (e.g., using express-validator or custom checks).
- Basic error handling.

#### Database (MongoDB)

- Job model:

js

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{

```
title: String,  
company: String,  
description: String,  
location: String,  
datePosted: { type: Date, default: Date.now }  
}
```

- Use Mongoose for schema and database interaction.
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### ☑ Bonus Features (Optional but Encouraged)

- Pagination on job list.
  - Search/filter by location or company.
  - Use Redux for state management (optional).
  - Deploy on Render, Vercel, or Netlify.
  - Use dotenv for environment variables.
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### ☐ Evaluation Criteria

- Proper folder structure and clean code.
- RESTful API design.
- Use of modern React (hooks, functional components).
- Basic UI/UX design and responsiveness.