

Assignment for Internship: Job Board App (Full Stack)

Objective:

Build a simple full-stack **Job Board** application. The goal is to evaluate your basic understanding of React for frontend, Node.js/Express for backend, and database operations using MongoDB or SQL.

Features to Implement:

Frontend (React.js):

- Display a list of jobs with:
 - Job title
 - Company name
 - Location
 - Short description
- Add search functionality (filter by keyword or location)
- Create an **Apply Form**:
 - Name
 - Email
 - Resume URL (or optional file upload)
- Route Pages:
 - / (Job listings)
 - /apply/:jobId (Apply to a job)

Bonus:

- Use **React Router** for navigation
- Use **Context API** or **Redux Toolkit** for state management

Backend (Node.js + Express):

Create a REST API to support the following routes:

- GET /jobs - Get all job listings
- POST /jobs - Add a new job (**admin-only**)
- PUT /jobs/:id - Edit a job (**admin-only**)
- DELETE /jobs/:id - Delete a job (**admin-only**)
- POST /apply/:jobId - Submit a job application

Database:

- Use MongoDB or SQL (SQLite/Postgres)
- Tables/Collections:
 - jobs
 - applications

Requirements:

- Use React for frontend with TailwindCSS or Bootstrap
- Use Node.js and Express for backend APIs
- Use Git and host code on GitHub
- Separate folders: client/ and server/

Bonus (Optional):

- Use JWT-based admin authentication
1. README with:
 - Setup instructions
 - API documentation
 - Tech stack used

Evaluation Criteria:

Area	Criteria
Frontend	UI/UX, React fundamentals, structure
Backend	API design, error handling, code clarity
Database	Schema design, CRUD logic
Integration	Smooth connection between frontend/backend
Git & Structure	Commit quality, file organization
Bonus Points	Validation, deployment, auth, TypeScript