



Job Listing Portal

MERN stack application

GitHub: <https://github.com/RosemolJoy20/job-listing-portal>

Live Application at Herku: <https://job-listing-portal-app.herokuapp.com/>

MongoDB Database Connection String:

mongodb+srv://RosemolJoy20:Joyrosemol20@cluster0.ijwcv.mongodb.net/job-listing-portal?retryWrites=true&w=majority

Google Drive Video: <paste your link here>



Rosemol Joy

<ROLL NUMBER>

Contents

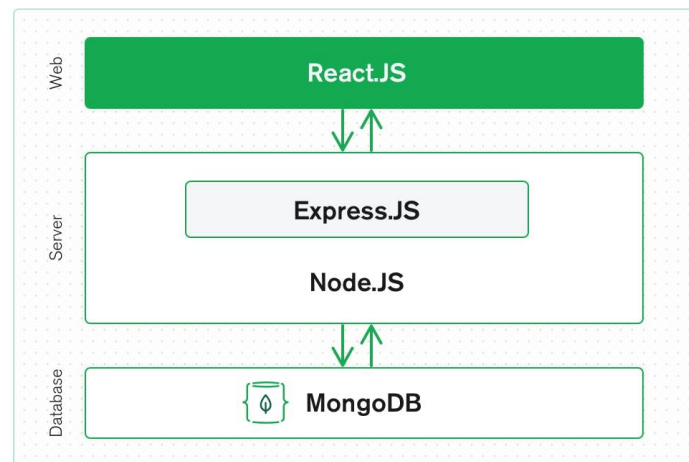
Application architecture	2
Technology stack.....	2
Project dependencies	2
Backend dependencies	2
Frontend dependencies	3

Application architecture

Following are the major parts of this application

- **Backend or API** – this is the backbone of the whole application. It will be providing API endpoints for frontend app. It will be an interface to connect with MongoDB and save, update or delete any jobs data
- **Web application** – this is a web application and the targeted audience of this platform will use it. System user can add, update and delete jobs using this panel

Following diagram can explain the architecture of whole application and how the frontend is connected with the backend or API



Technology stack

Following technology stack will be used for each part of the application

- **Backend or API** – NodeJS ExpressJS with MongoDB database and some other supporting libraries
- **Web application** – ReactJS along with some supporting libraries
- **Database** – MongoDB NoSQL database

Project dependencies

Followings are major libraries on which the application is dependent

Backend dependencies

- 1) **Dotenv** – dotenv is a great package to manage global application level variables in the *.env files. These files are not recommended to be pushed to servers and you can manage the variables on server by server's provided interface. Those variables would be easily accessed inside the application using this package.
- 2) **Cors** – cors is a package that would allow you to easily allow your API to be accessed by other URLs. The API will not block your application requests.
- 3) **ExpressJS** – probably the ExpressJS is most famous package to create RESTful APIs in NodeJS. This makes easy to create APIs.

- 4) **Mongoose** – mongoose is the database driver for MongoDB. It makes it easy to manipulate the MongoDB database via models.

Frontend dependencies

- 1) **Axios** – axios is a modern library to send HTTP requests. We are using this package to send our GET POST HTTP requests to our API.
- 2) **Datatables.net** – a simple library that will create data tables easily. We are using this package to render jobs on UI.
- 3) **JQuery** – is used to manipulate the data along with datatables.net
- 4) **Moment JS** – this is best to manage dates. We are rendering relative time of a job using this package
- 5) **Sweet Alert** – is a great tool to create alerts in a ReactJS application. We are making create job modal, delete confirmation, success and warning alerts using this package.