**Graded Project on Travel Memory Application Deployment**

**Git Repository:**

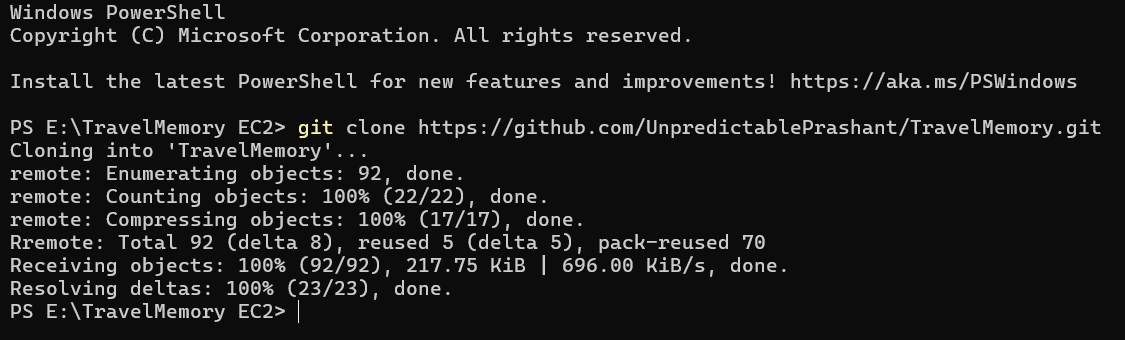
<https://github.com/UnpredictablePrashant/TravelMemory.git>

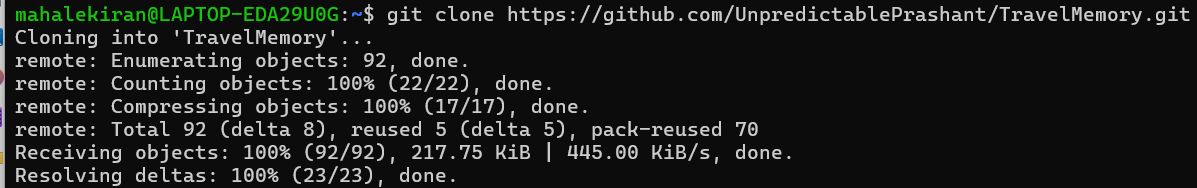
**TEST THE TRAVEL MEMORY ON LOCAL MACHINE FIRST**

**Step 1:**

Clone the project in local with command

git clone <https://github.com/UnpredictablePrashant/TravelMemory.git>

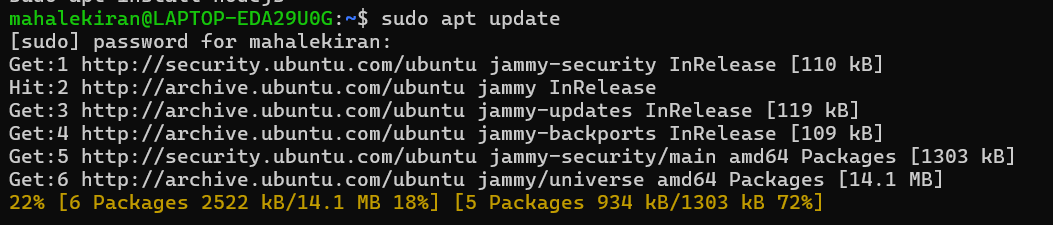




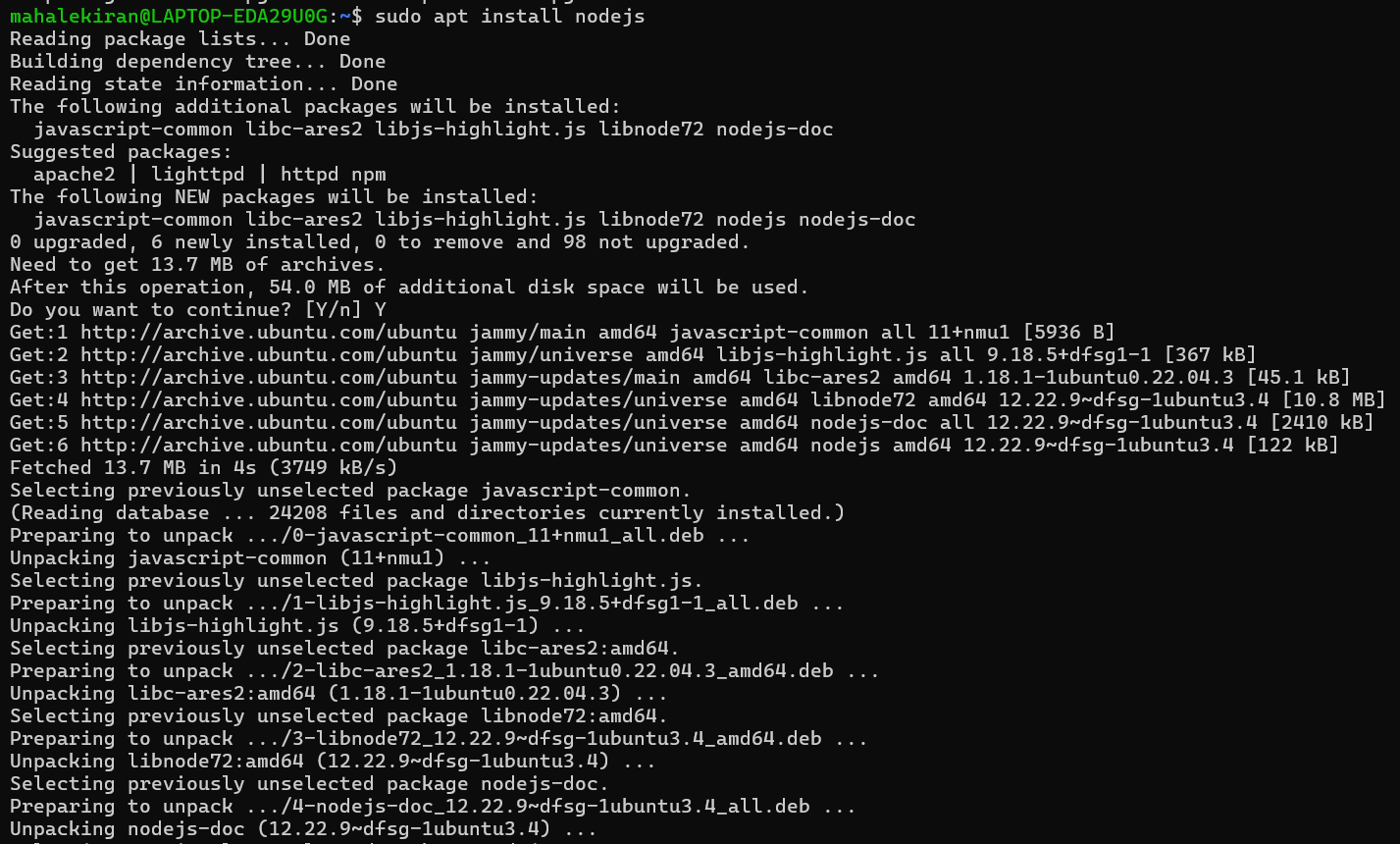
**Step 2:**

Install nodejs and npm with below commands

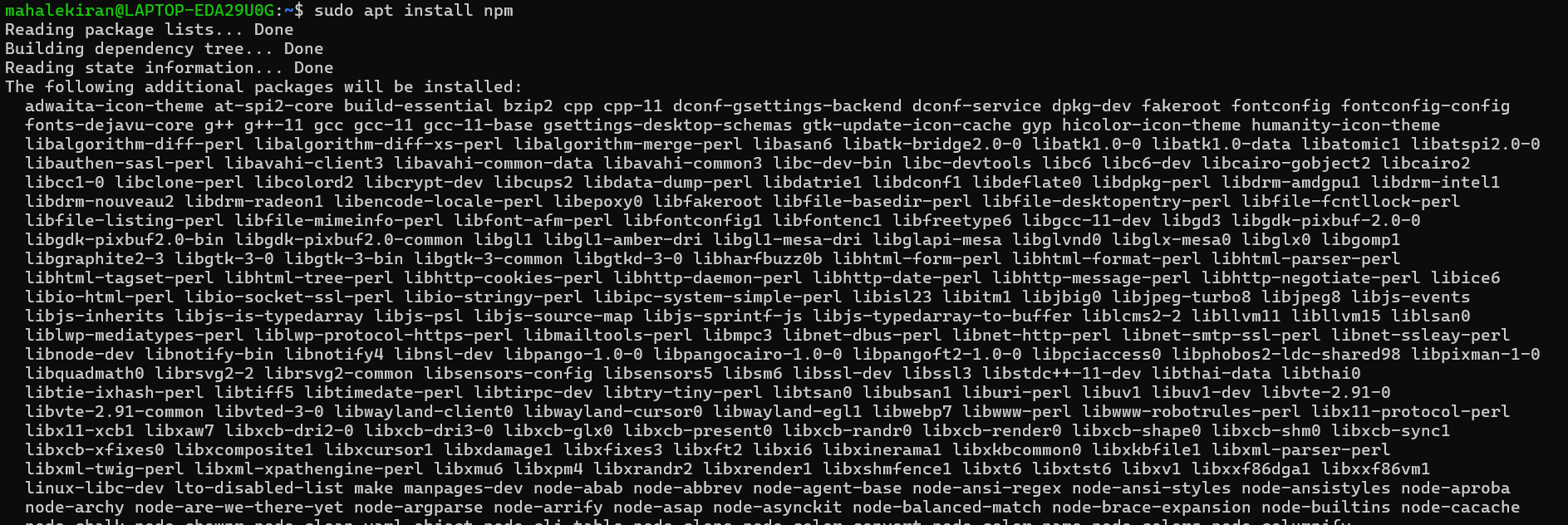
sudo apt update



sudo apt install nodejs



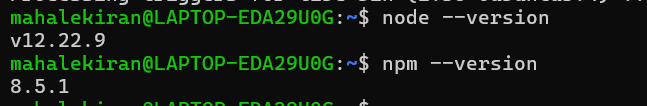
sudo apt install npm



Check versions:

node –version

npm --version



**Step 3:**

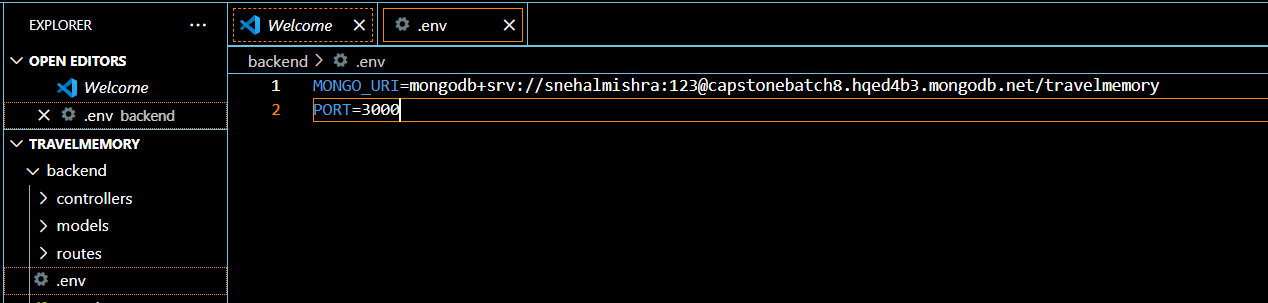
In Backend folder perform below steps

Create .env file and add the below content

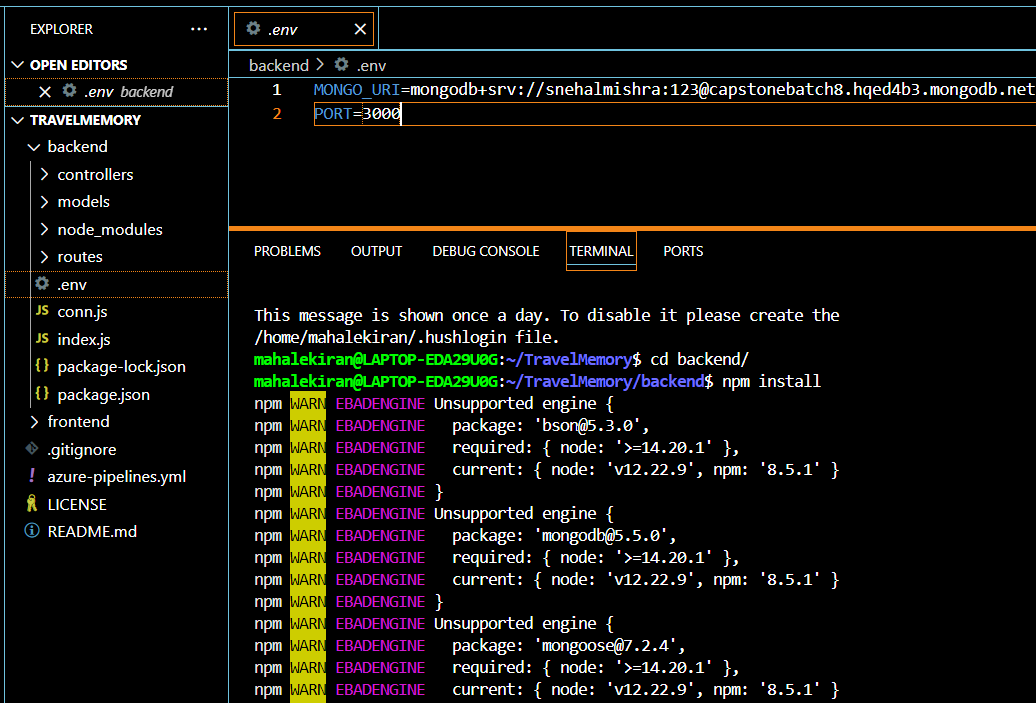
MONGO\_URI=mongodb+srv://krn1988:DjKsN2KlG4VeYncq@cluster0.wwwid1g.mongodb.net/TravelMemory

PORT=3000

Note: I have added section how to add MongoDB further

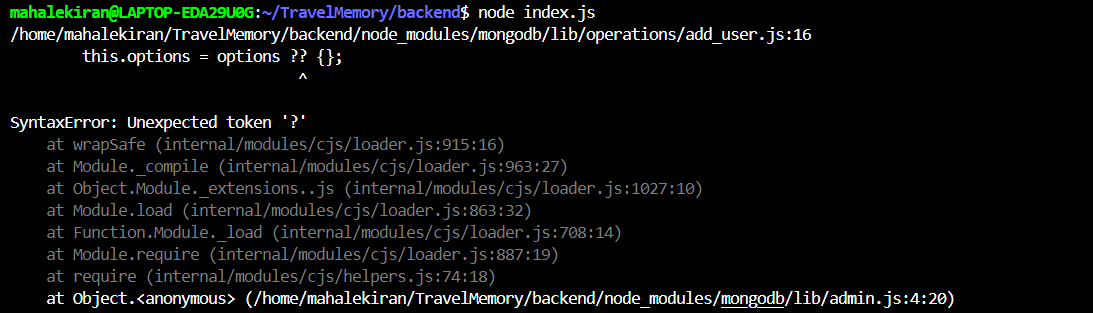


Run command npm install

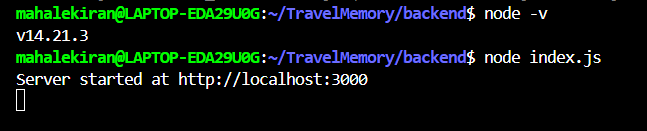


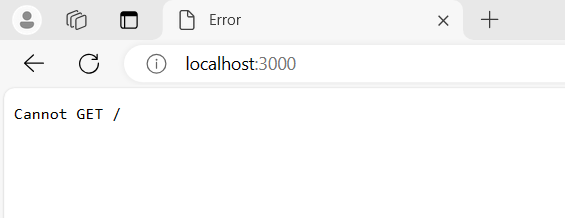
Run command node index.js

For me I was getting below error and the solution to it was to install nodejs with 14.0.0 version



Installed nodejs with 14.21.3 version and rerun the same command

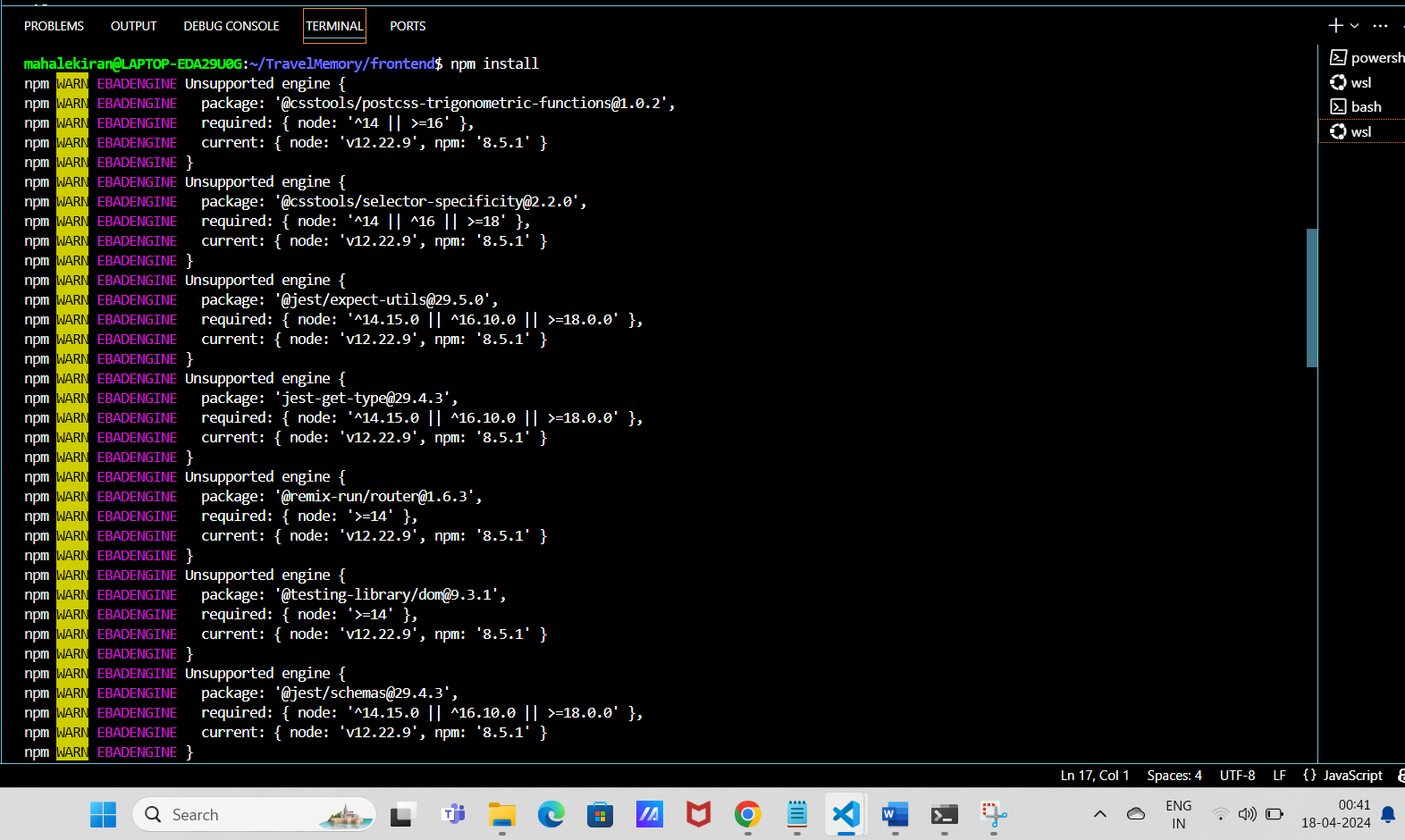




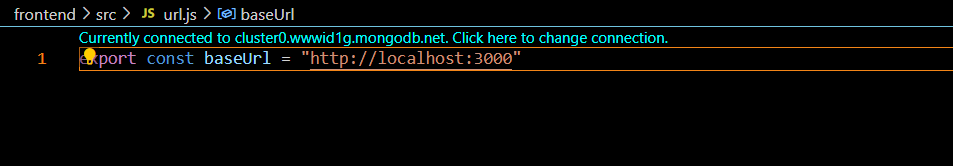
**Step 4:**

Now run the commands in frontend

Run npm install

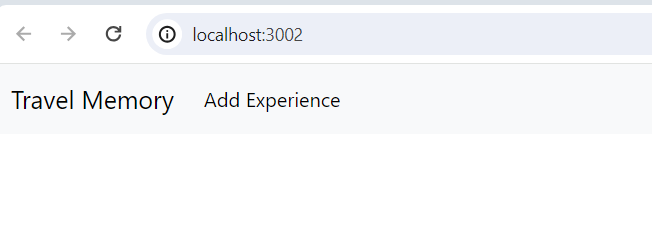


Go to url.js inside frontend folder src folder and paste the url

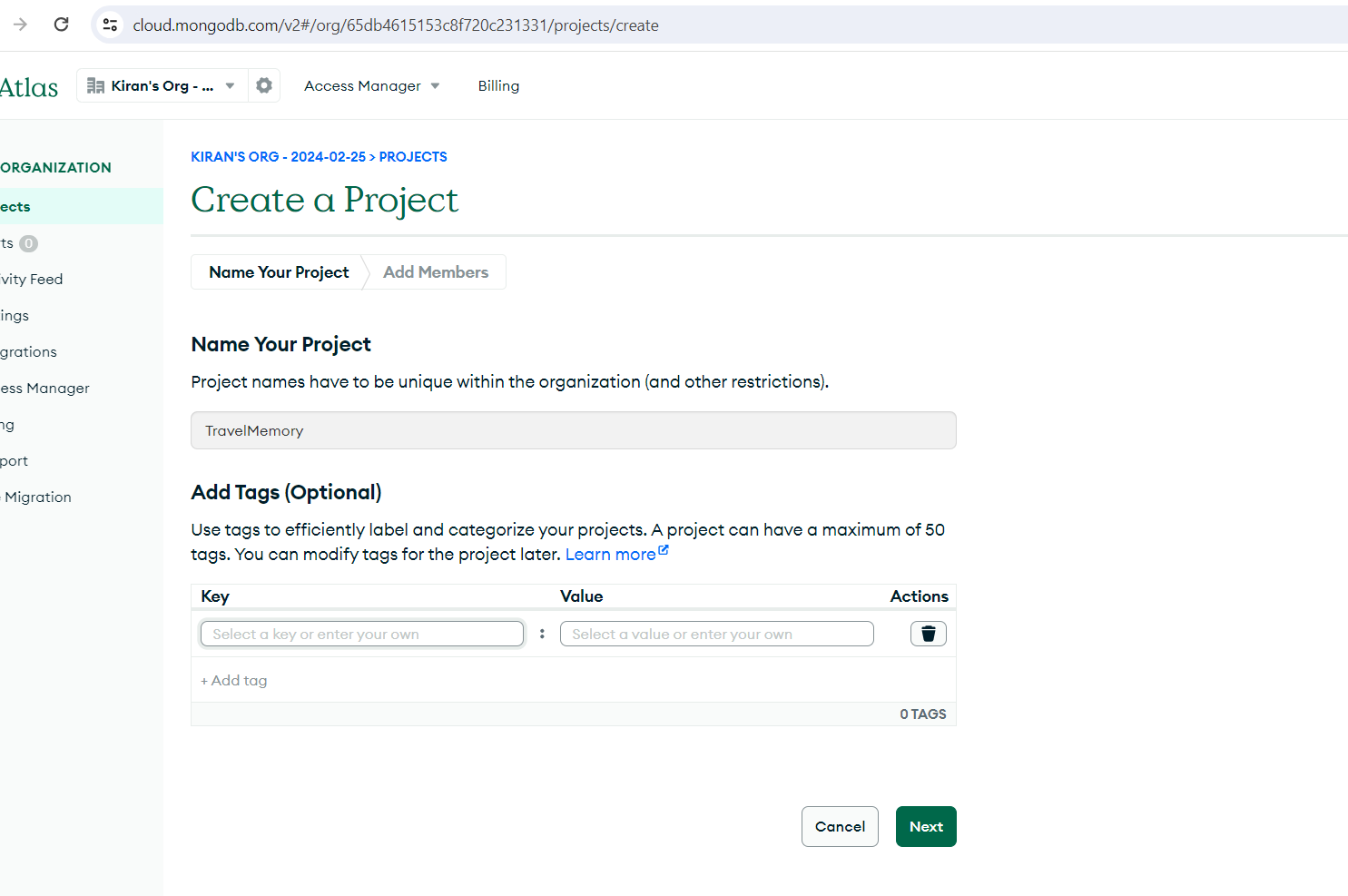


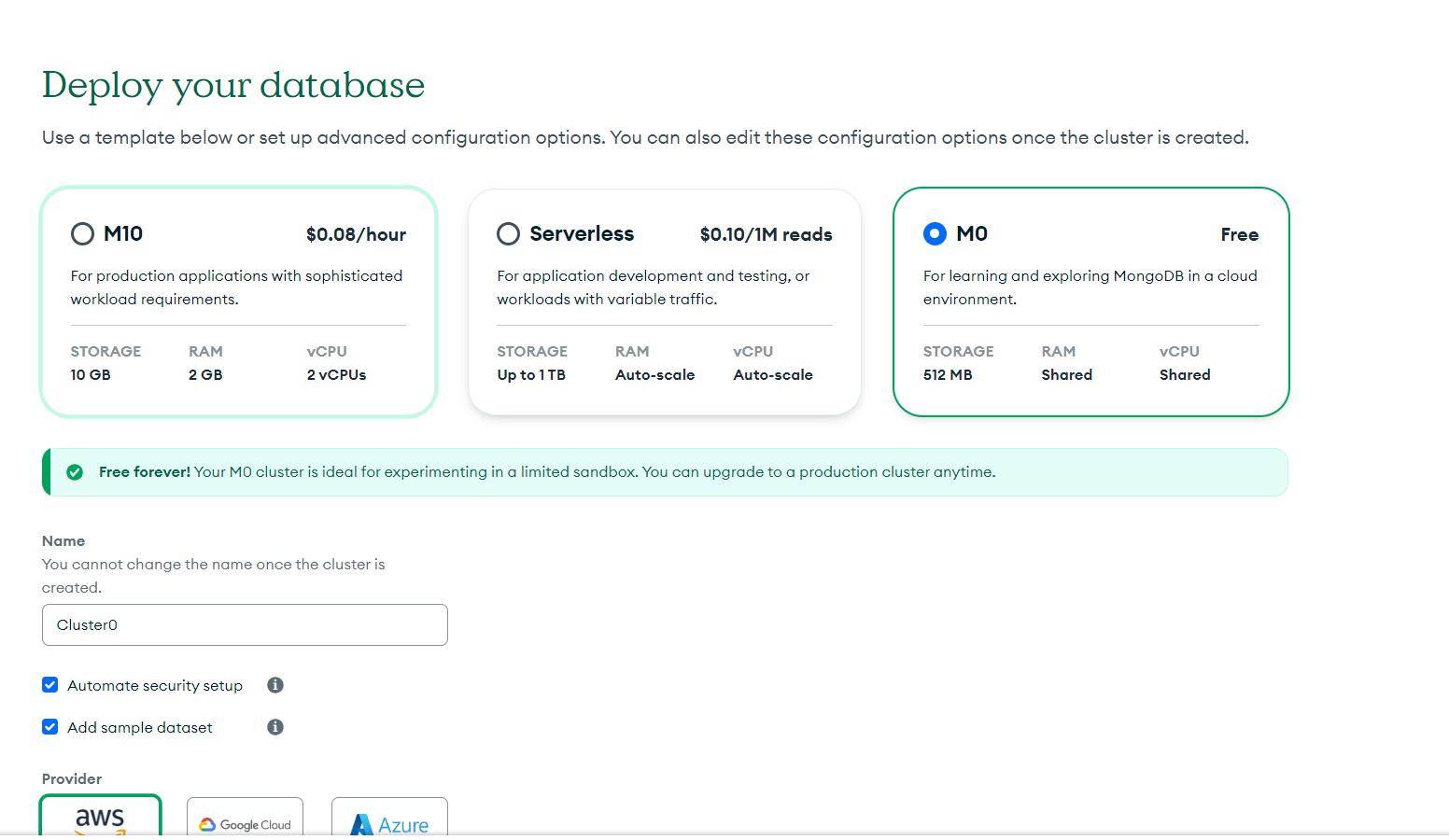
Then execute command in front end

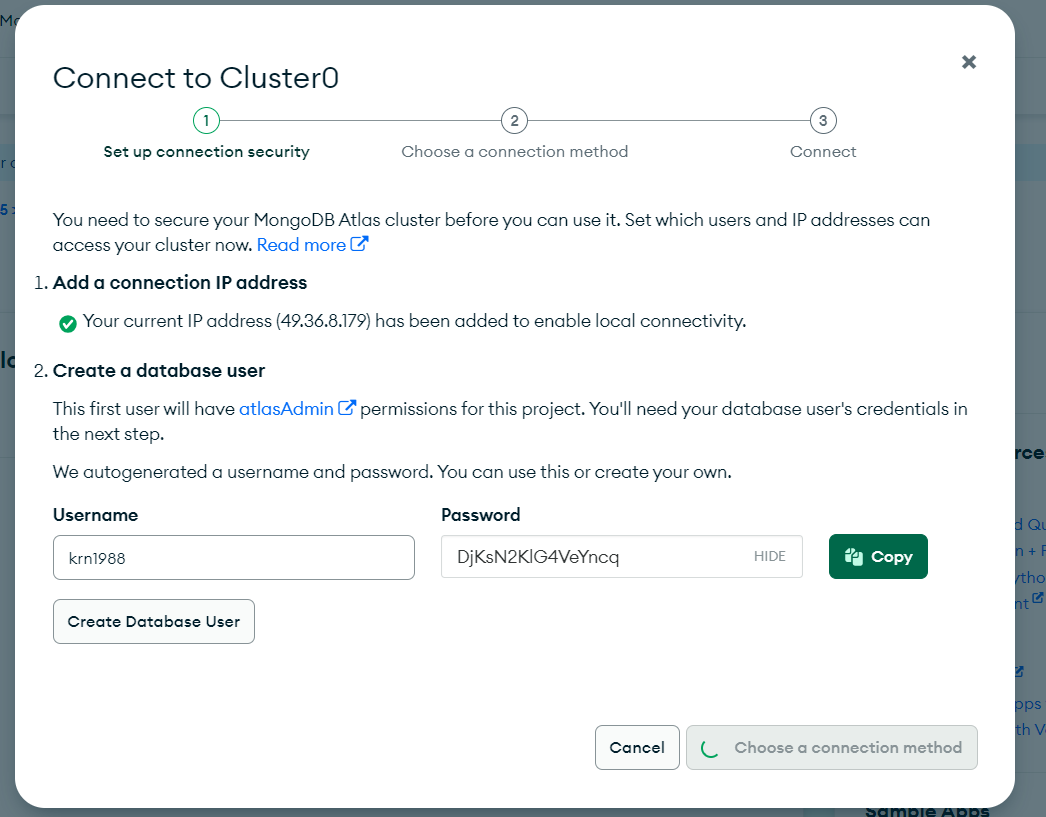
npm start



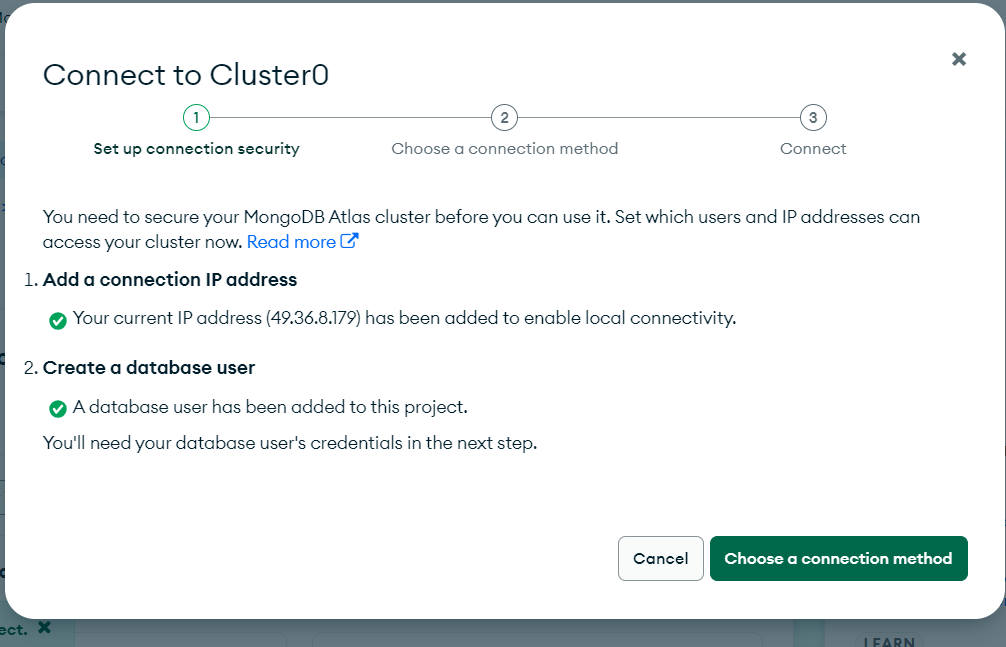
**How to setup MongoDB :**

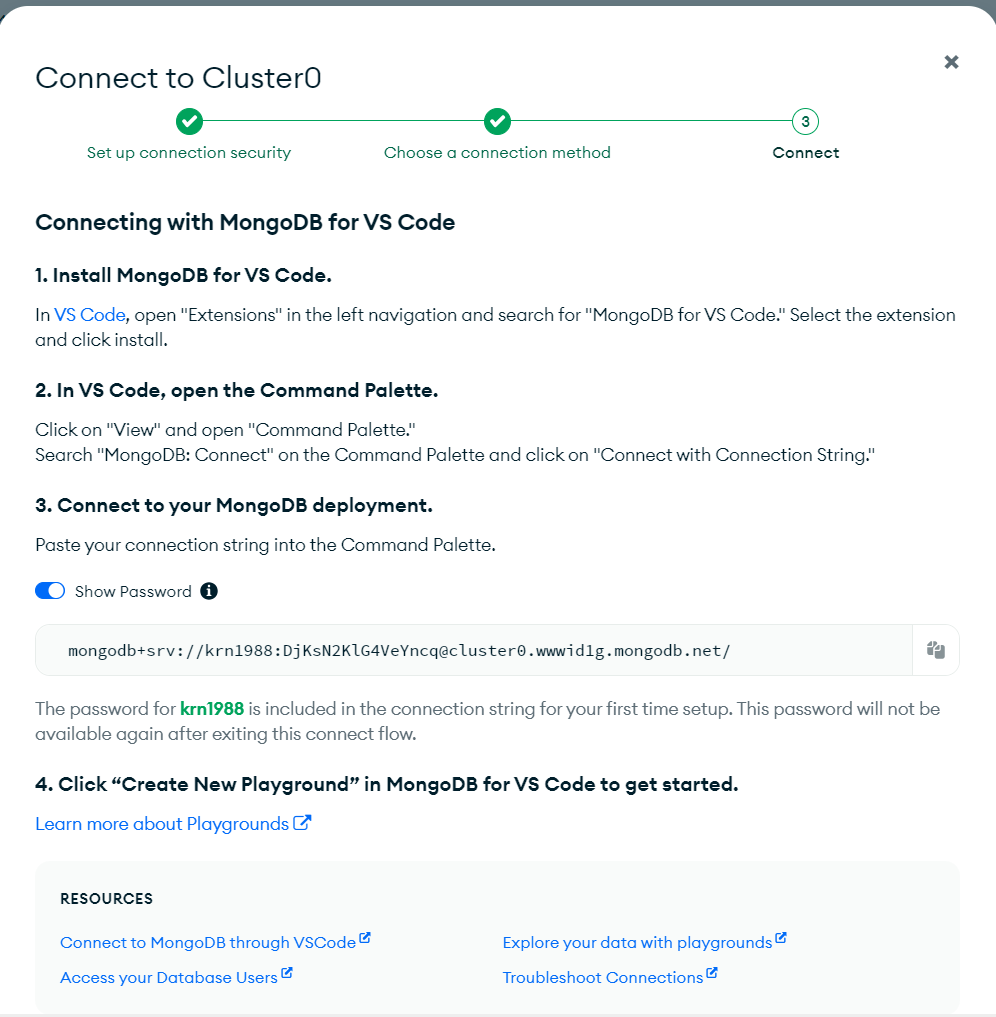






DjKsN2KlG4VeYncq

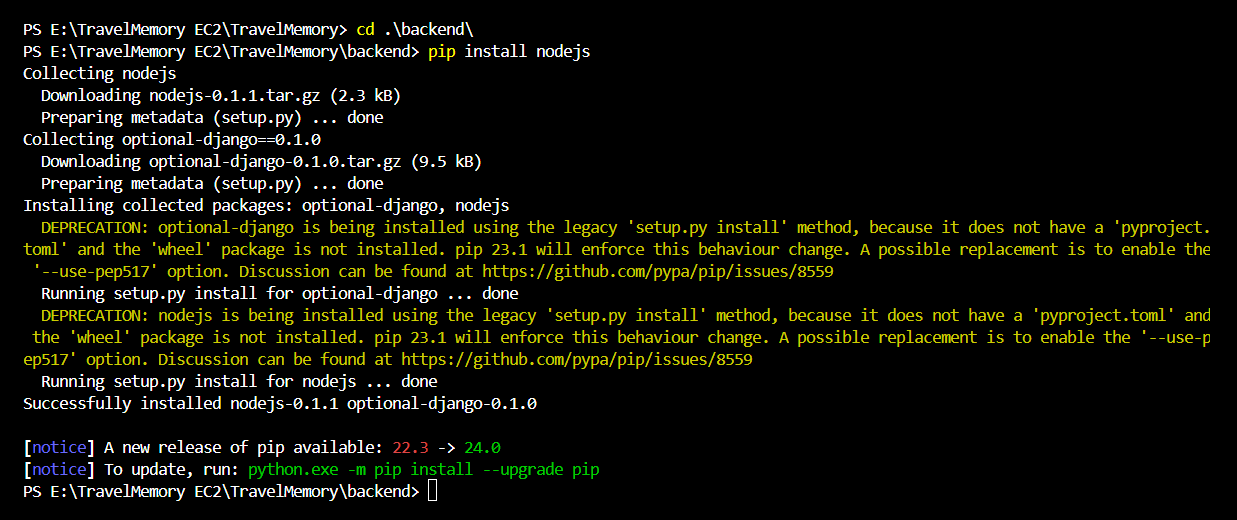




mongodb+srv://krn1988:DjKsN2KlG4VeYncq@cluster0.wwwid1g.mongodb.net/

- Set up the backend running on Node.js.

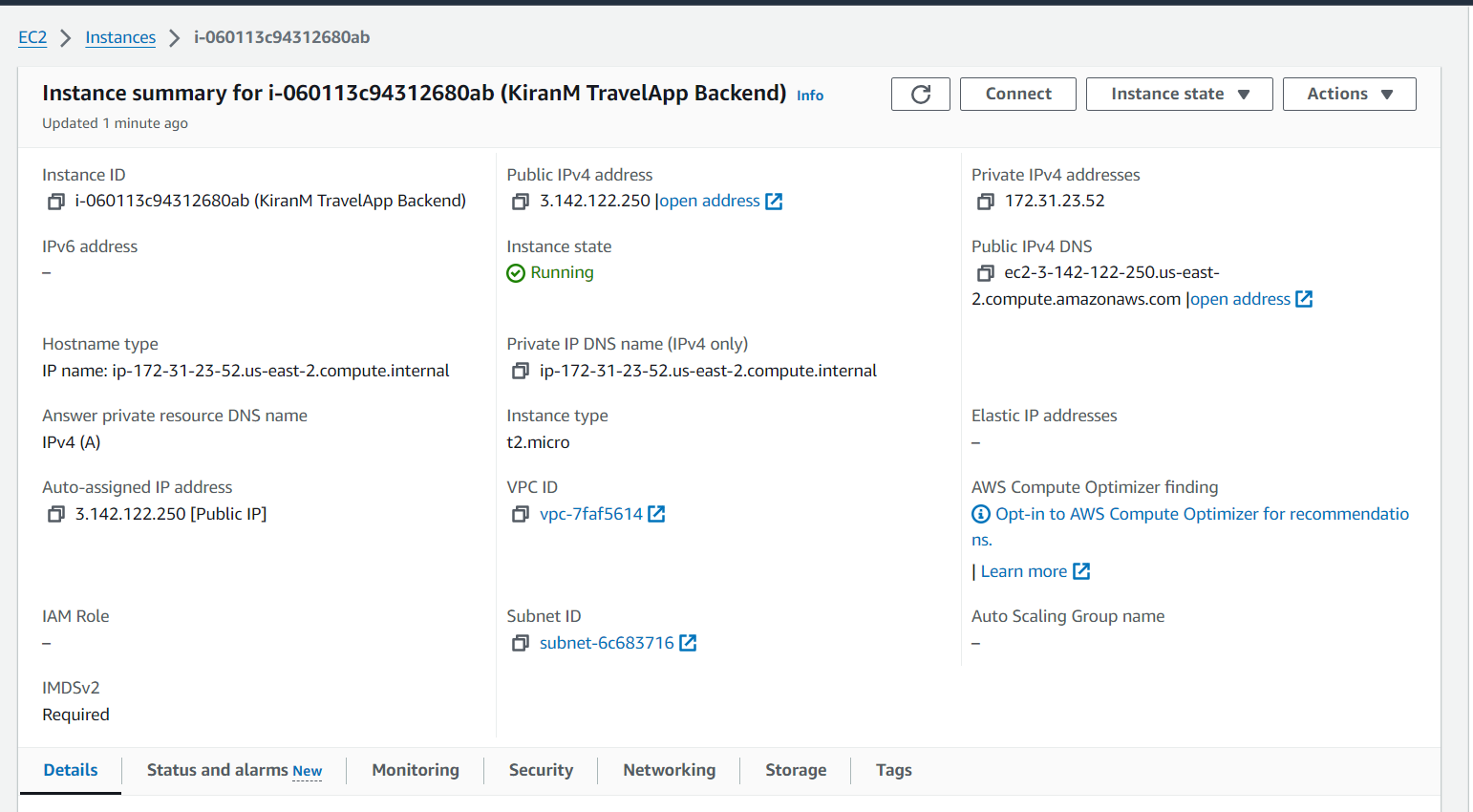
Go to backend folder



**RUN THE TRAVEL MEMORY ON AWS**

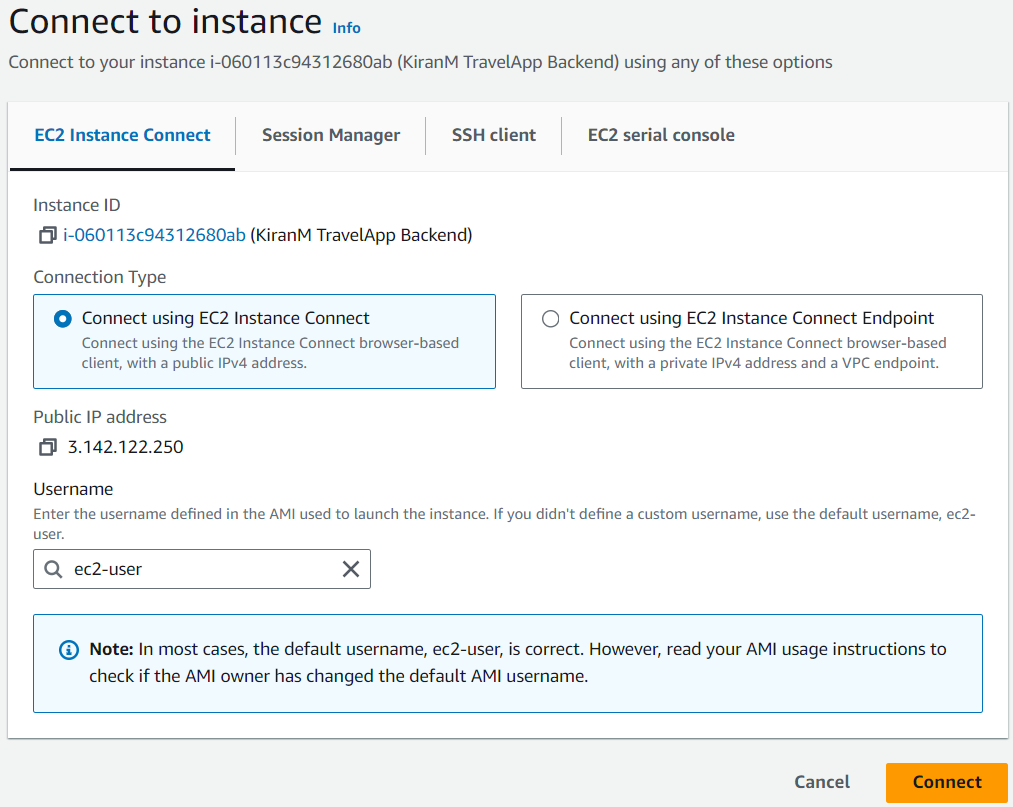
**Backend:**

**Step 1:** Create EC2 instance in AWS



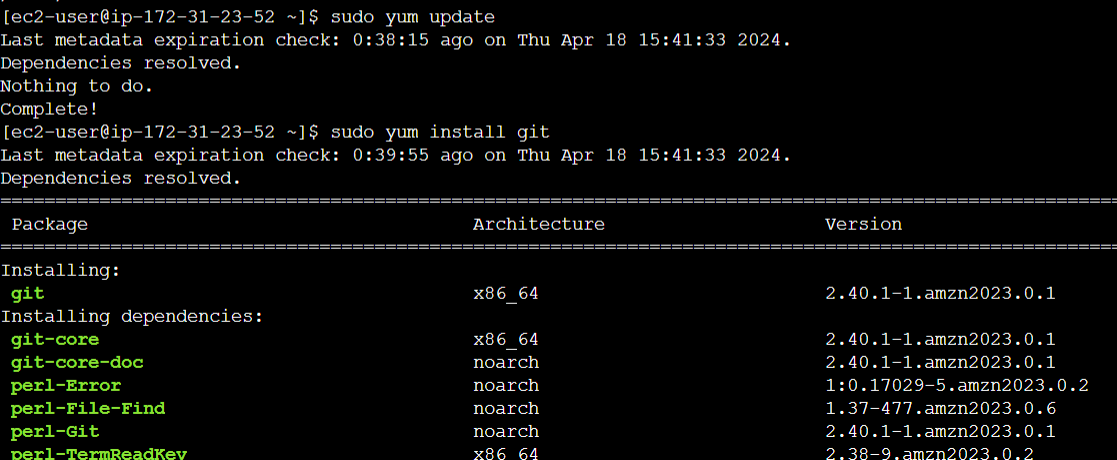
**1. Backend Configuration:**

- Clone the repository and navigate to the backend directory.



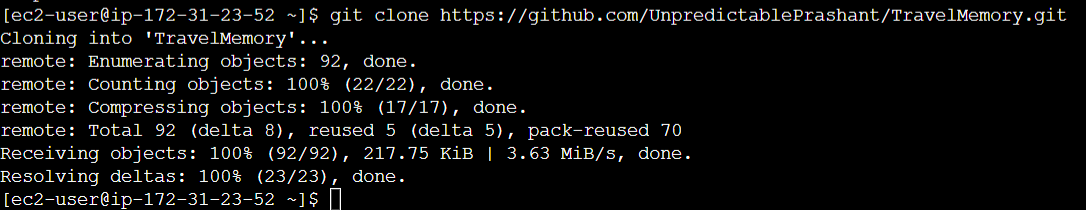
* 1. Click on Connect
  2. Clone TravelMemory repository

1. Install git first



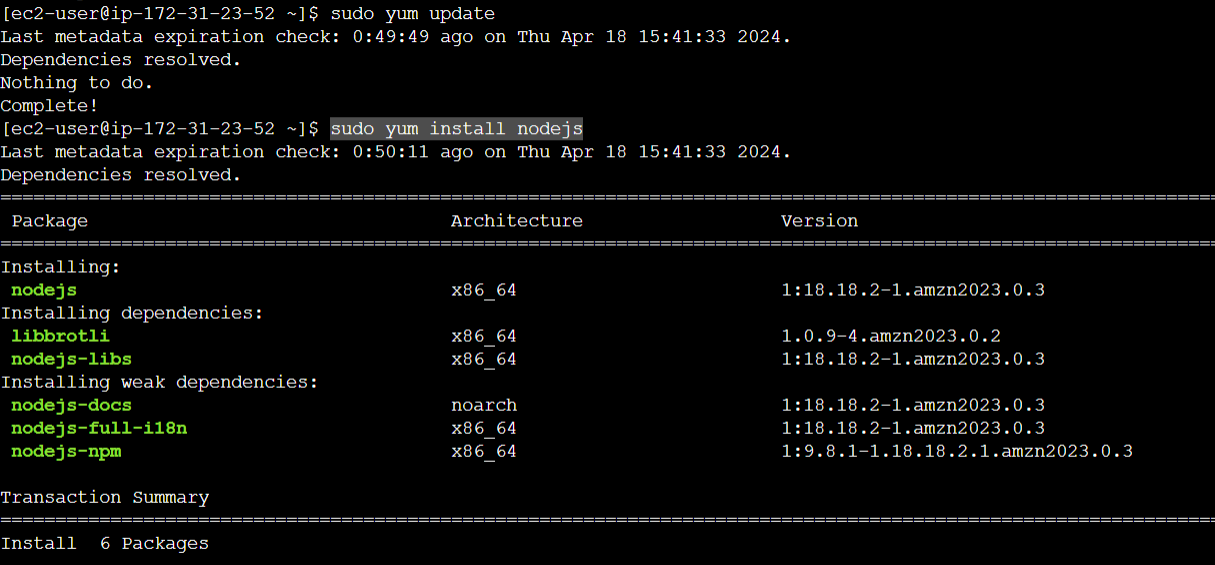
1. Clone repository

git clone https://github.com/UnpredictablePrashant/TravelMemory.git

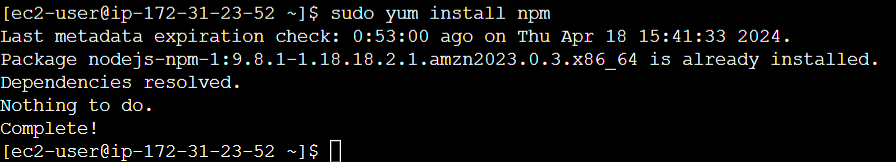


sudo yum update

sudo yum install nodejs

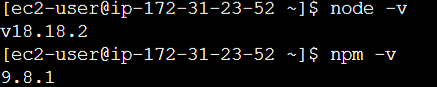


sudo yum install npm



node -v

npm -v



- The backend runs on port 3000. Set up a reverse proxy using nginx to ensure smooth deployment on EC2.

- Update the .env file to incorporate database connection details and port information.

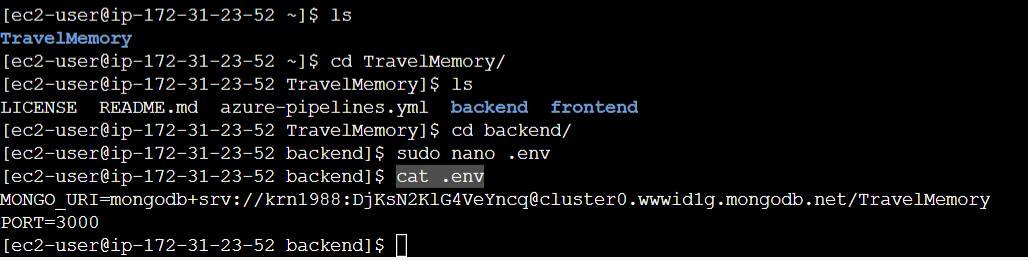
* 1. Create .env file and add the below content

AS mentioned in local machine, we have created MongoDB and will create .env file in EC2 instance

1. Create .env file

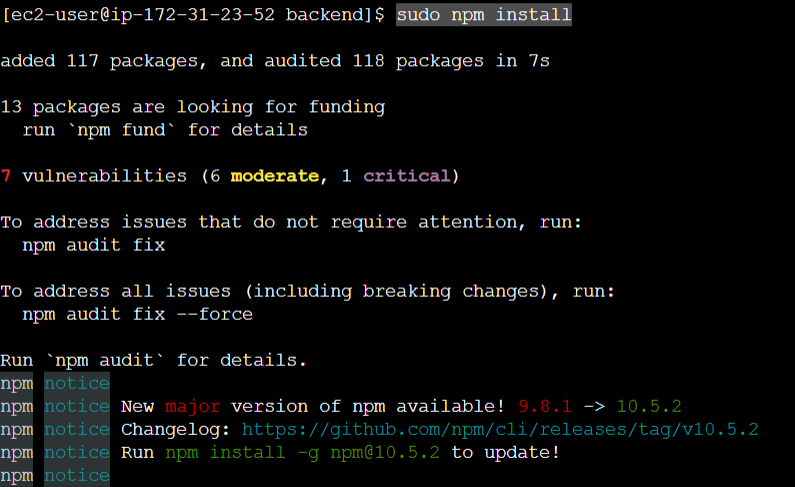
sudo nano .env

cat .env



1. Install npm

sudo npm install



1. sudo node index.js



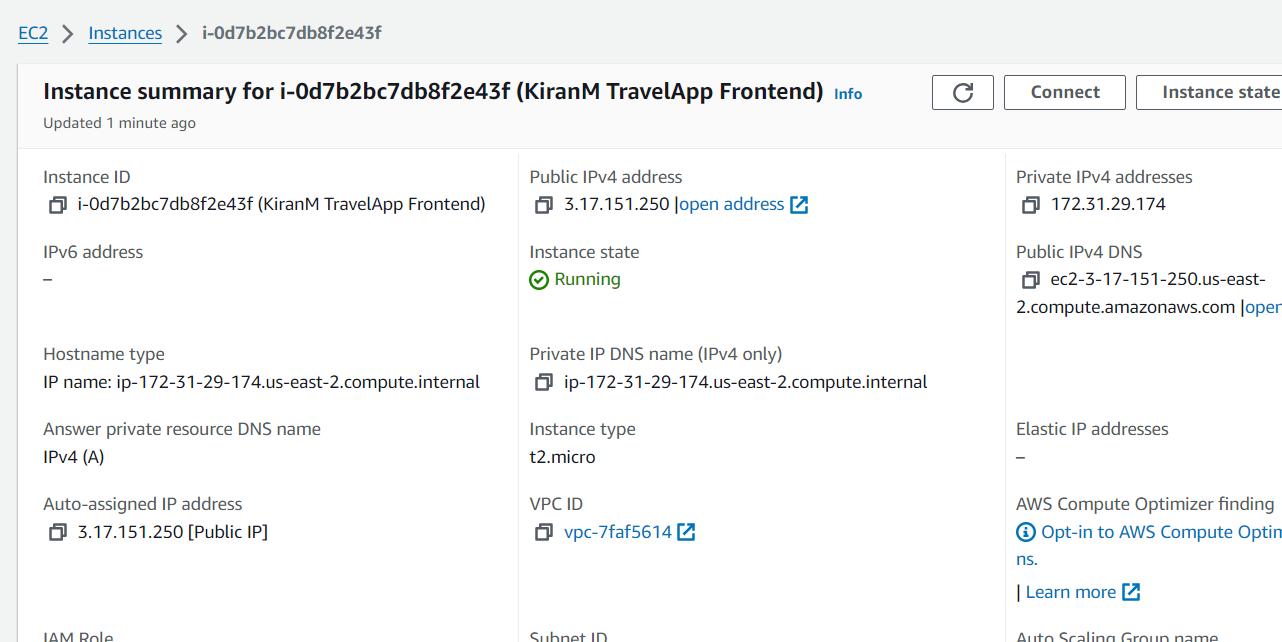
**Frontend:**

**2. Frontend and Backend Connection:**

- Navigate to the `urls.js` in the frontend directory.

- Update the file to ensure the frontend communicates effectively with the backend.

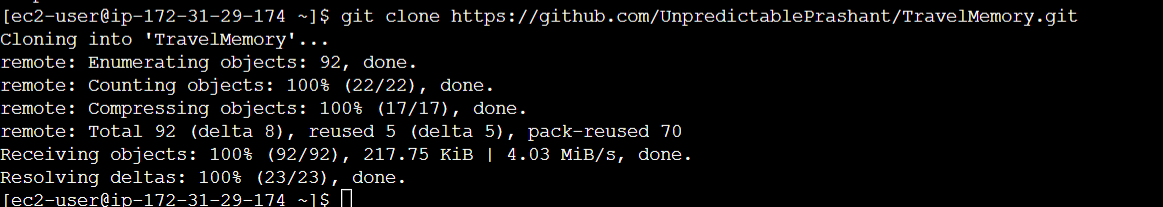
**Step1:** Create Frontend instance EC2



**Step 2:** Repeat the same procedure to install git in this instance

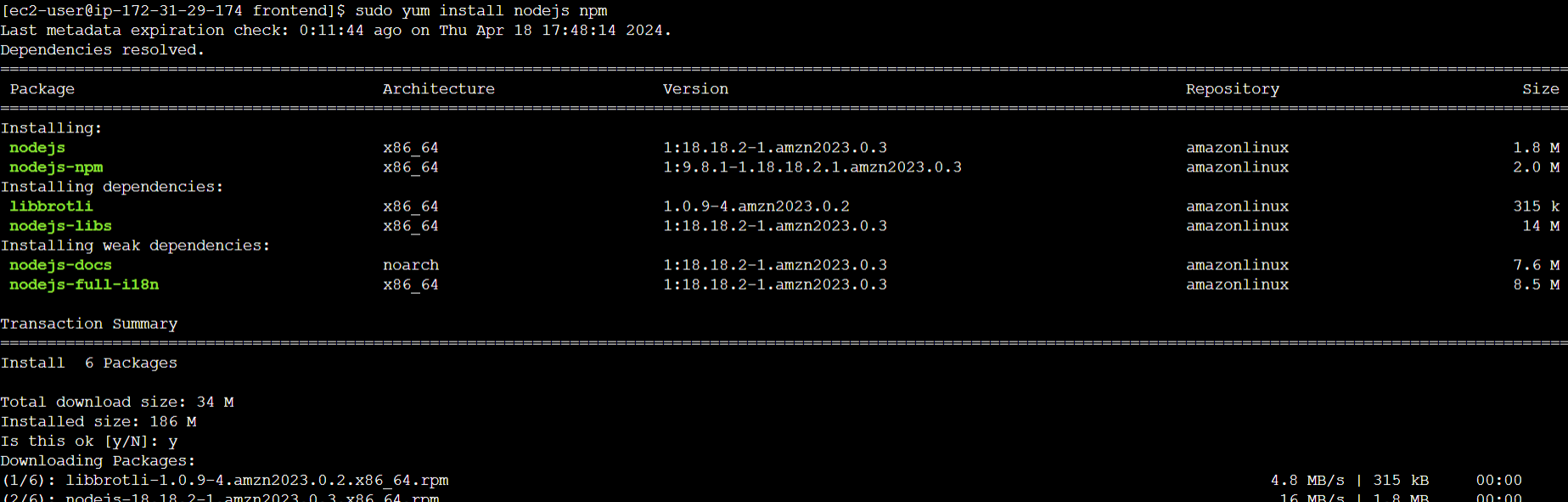
**Step 3:** Clone git repository

git clone https://github.com/UnpredictablePrashant/TravelMemory.git

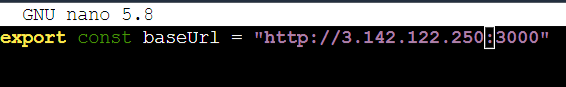


Step 4: install npm

sudo yum install nodejs npm



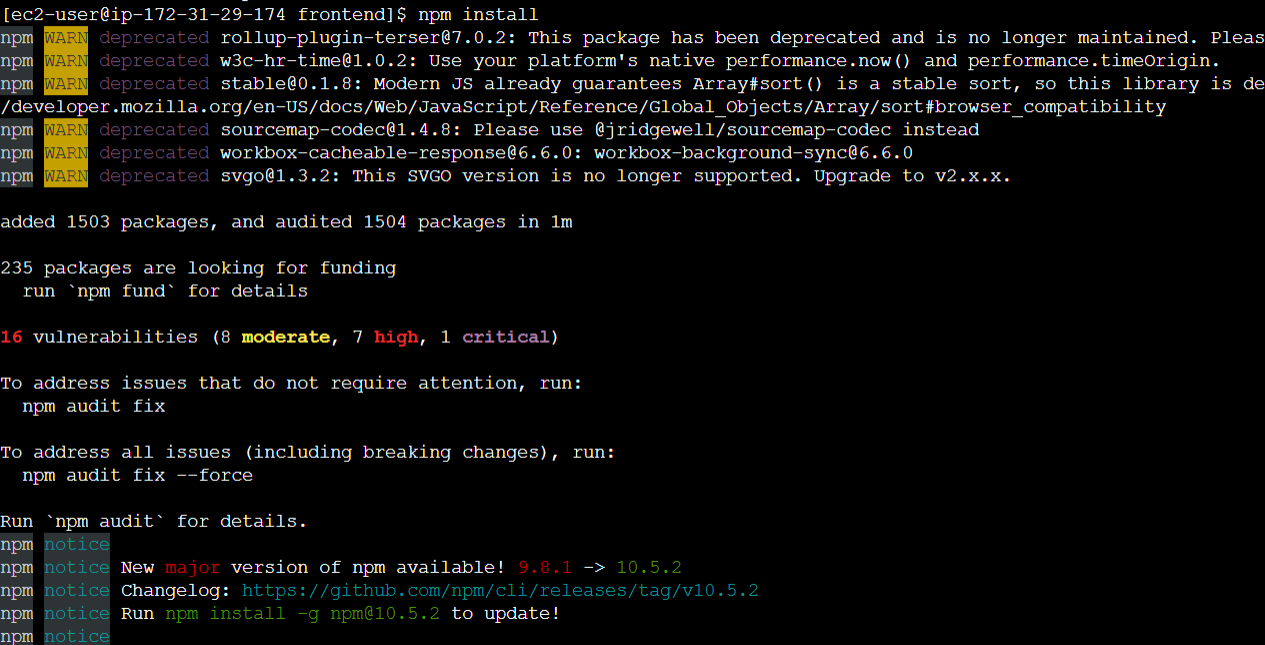
Go to frontend folder src-> url.js file



Replace localhost with Backend IP address

Install npm

With command npm install



npm start

