



## Marwadi University Faculty of Technology

### **Department of Information and Communication Technology**

Subject: Advanced Web Technology (01CT1625)

**Aim:**Backend: Using NodeJS, build a job search platform or e-commerce platform api to and filter.

Experiment :- 11 Date:- 6-04-2025

Enrollment No:- 92200133003

#### CODE:

```
Jobmodels.js
```

```
module.exports = (sequelize, DataTypes) => {
  const Job = sequelize.define("Job", {
    title: { type: DataTypes.STRING, allowNull: false },
    company: { type: DataTypes.STRING, allowNull: false },
    location: { type: DataTypes.STRING },
    salary: { type: DataTypes.INTEGER },
    type: { type: DataTypes.ENUM('Full-Time', 'Part-Time', 'Internship') },
    description: { type: DataTypes.TEXT }
    });
    return Job;
};
```

### **Dbconfig.js**

```
require('dotenv').config();

module.exports = {
    HOST: process.env.DB_HOST,
    USER: process.env.DB_USER,
    PASSWORD: process.env.DB_PASSWORD,
    DB: process.env.DB_NAME,
    dialect: process.env.DB_DIALECT || "mysql",
};
```

#### Job.controller.js

```
const db = require("../models");
const Job = db.jobs;
const Op = db.Sequelize.Op;
exports.createJob = async (req, res) => {
 try {
  const job = await Job.create(req.body);
  res.status(201).json(job);
 } catch (err) {
  res.status(500).json({ error: err.message });
 }
};
exports.getJobs = async (req, res) => {
 try {
  const where = {};
  const { title, location, type, minSalary } = req.query;
  if (title) where.title = { [Op.like]: `%${title}%` };
  if (location) where.location = location;
```





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```
if (type) where.type = type;
  if (minSalary) where.salary = { [Op.gte]: minSalary };
  const jobs = await Job.findAll({ where });
  res.json(jobs);
 } catch (err) {
  res.status(500).json({ error: err.message });
};
Index.js
const { Sequelize } = require('sequelize');
const dbConfig = require("../config/db.config");
const sequelize = new Sequelize(
 dbConfig.DB,
 dbConfig.USER,
 dbConfig.PASSWORD,
  host: dbConfig.HOST,
  dialect: dbConfig.dialect,
  logging: false,
 }
);
const db = {};
db.Sequelize = Sequelize;
db.sequelize = sequelize;
db.jobs = require("./job.model")(sequelize, Sequelize);
module.exports = db;
Server.js
const express = require("express");
const app = express();
const db = require("./models");
require("dotenv").config();
const PORT = process.env.PORT | 3000;
app.use(express.json());
// Routes
const jobRoutes = require("./routes/job.routes");
app.use("/api", jobRoutes);
app.get("/", (req, res) => {
 res.send("Welcome to the Job Search API");
```



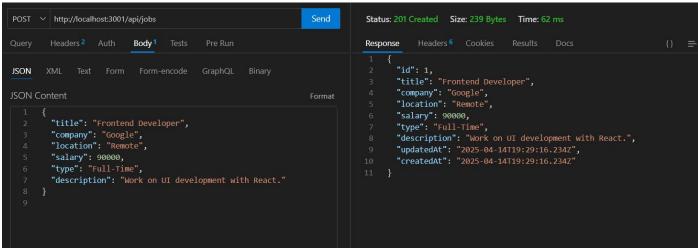
```
});

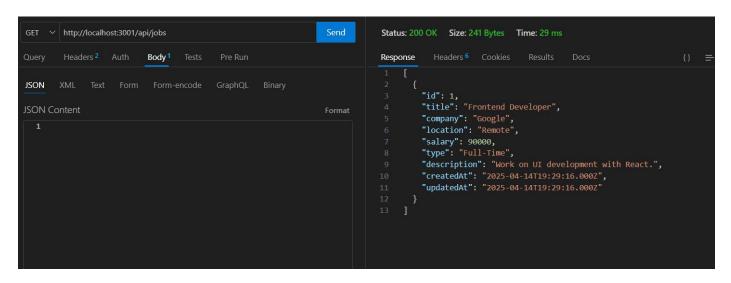
// Connect to DB and start server
db.sequelize.sync().then(() => {
    app.listen(PORT, () => {
        console.log(`Server is running at http://localhost:${PORT}`);
    });
});

.env

DB_HOST=localhost
DB_USER=root
DB_PASSWORD=
DB_NAME=mu_2425_test
DB_DIALECT=mysql
PORT=3001
```

#### **OUTPUT:**









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