

# Job Junction - Smart Job Portal (Setup Guide)

Job Junction is a full-stack job portal web app where users can register, apply for jobs, post jobs, and manage applications with a clean, modern UI inspired by the Apna App.

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## TECH STACK

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Frontend: HTML5, CSS3, JavaScript (Vanilla JS)

Backend: Node.js (Express Framework)

Database: MySQL

Email Service: Nodemailer (Gmail)

File Uploads: Multer

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## INSTALLATION GUIDE

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### Step 1: Prerequisites

Ensure you have Node.js, MySQL, and Git installed.

### Step 2: Clone Project

```
git clone https://github.com/yourusername/job-junction.git
cd job-junction
```

### Step 3: Install Dependencies

```
npm install express mysql2 cors multer nodemailer
```

### Step 4: Setup MySQL Database

```
sudo systemctl start mysql
sudo mysql -u root -p
```

Then inside MySQL:

```
CREATE DATABASE job_junction;
```

```
USE job_junction;
```

```
CREATE TABLE users (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(100),  
  email VARCHAR(100) UNIQUE,  
  password VARCHAR(255),  
  profile_image VARCHAR(255)  
);
```

```
CREATE TABLE jobs (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  title VARCHAR(100),  
  company VARCHAR(100),  
  website VARCHAR(255),  
  location VARCHAR(100),  
  description TEXT,  
  posted_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

```
CREATE TABLE applications (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  user_id INT,  
  job_id INT,  
  phone VARCHAR(20),  
  email VARCHAR(100),  
  applied_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  FOREIGN KEY (user_id) REFERENCES users(id),  
  FOREIGN KEY (job_id) REFERENCES jobs(id)  
);
```

## Step 5: Configure Nodemailer

Edit 'server.js' and update Gmail credentials with your App Password.

## Step 6: Create uploads folder

```
mkdir -p public/uploads
```

## Step 7: Run the server

```
node server.js
```

Access the site:

<http://localhost:5000>

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## DEFAULT PAGES

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/index.html     - Home  
/login.html     - User login  
/register.html   - Register  
/jobs.html       - Browse and Apply  
/add-job.html    - Post job  
/view-profile.html - View profile

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## TROUBLESHOOTING

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Access denied for user 'root'@'localhost':

Run:

```
sudo mysql  
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY '2002';  
FLUSH PRIVILEGES;
```

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## AUTHOR

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Project: Job Junction - Smart Job Portal

Tech: Node.js, MySQL, HTML, CSS, JS