

Steps to follow

Hey! Thanks for purchasing the source code. There are a few things you need to do first. If you skip these steps, you won't be able to see the site in action. Let's get started!

Node Version Used: **node v23.10.0 (npm v11.2.0)**

Running the MERN AI Invoice Generator App Project

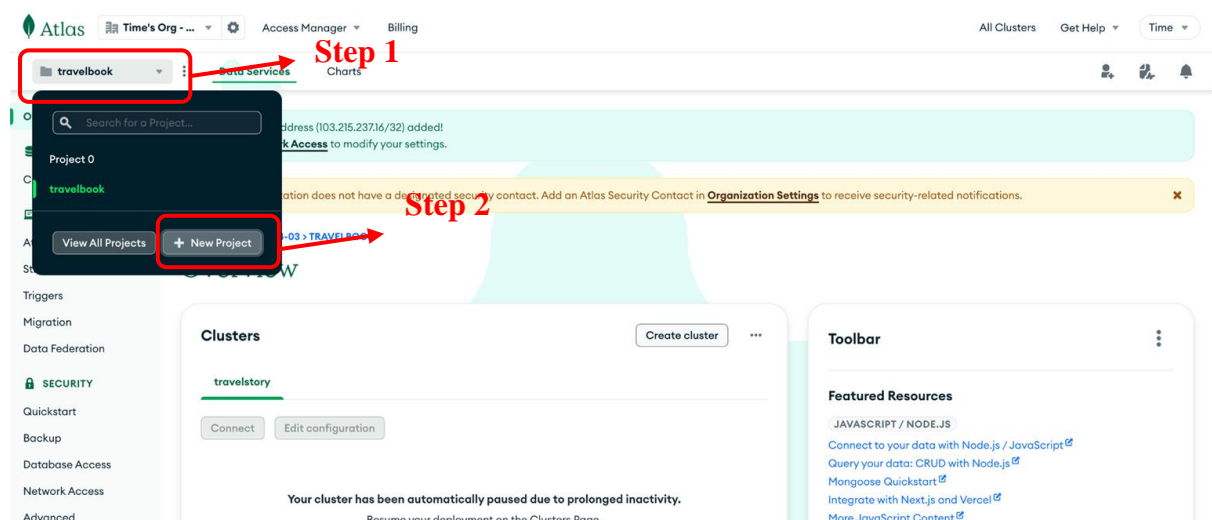
Backend (Express.js)

1. Navigate to the backend folder in your terminal.
2. Install the required dependencies by running:

```
npm install
```

3. Connect MongoDB:

- Visit <https://www.mongodb.com/>
- Log in or create an account.
- Click the **"New Project"** button to create a project.



- Enter a project name and click **"Next"**.

Atlas Time's Org - ... Access Manager Billing All Clusters Get Help Time

ORGANIZATION

Projects Alerts Activity Feed Settings Integrations Access Manager Billing Support Live Migration

TIME'S ORG - 2024-04-03 > PROJECTS

Create a Project

Name Your Project Add Members

Project names have to be unique within the organization (and other restrictions).

Polling App

Add Tags (Optional)

Use tags to efficiently label and categorize your projects. A project can have a maximum of 50 tags. You can modify tags for the project later. [Learn more](#)

Key	Value	Actions
Select a key or enter your own	: Select a value or enter your own	
+ Add tag		
		0 TAGS

Cancel Next

- (Optional) Add team members, then click **"Create Project"**.

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ORGANIZATION

Projects Alerts Activity Feed Settings Integrations Access Manager Billing Support Live Migration

TIME'S ORG - 2024-04-03 > PROJECTS

Create a Project

✓ Name Your Project Add Members

Add Members and Set Permissions

Invite new or existing users via email address...

Give your members access permissions below.

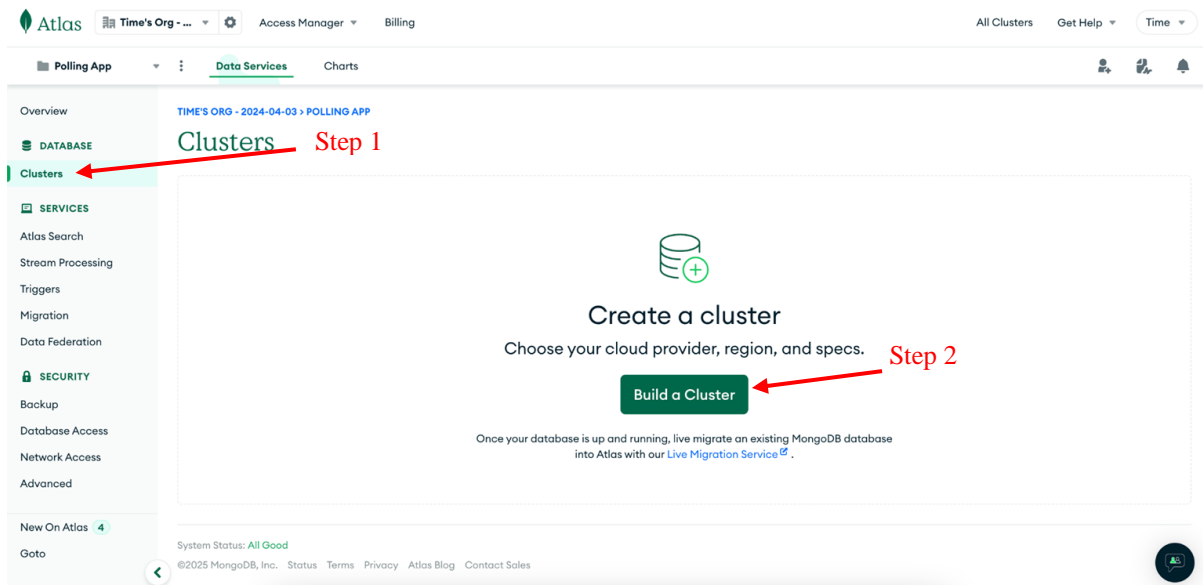
ii.com (you) Project Owner

Back Cancel Create Project

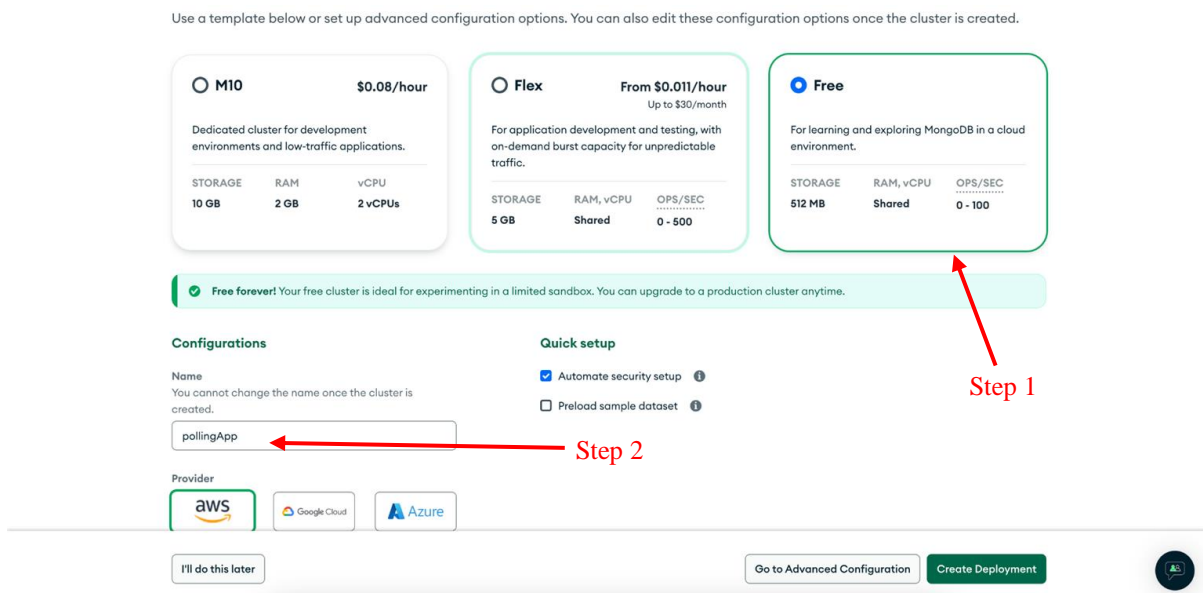
Project Member Permissions

- Project Owner**
Has full administration access
- Project Cluster Manager**
Can update clusters
- Project Data Access Admin**
Can access and modify a cluster's data and indexes, and kill operations
- Project Data Access Read/Write**
Can access a cluster's data and indexes, and modify data
- Project Data Access Read Only**
Can access a cluster's data and indexes
- Project Search Index Editor**
Can view and manage a cluster's search indexes
- Project Read Only**

- Click on the **"Clusters"** option in the side menu.
- Click **"Build a Cluster"**.



- Select the **Free Tier**, enter a cluster name.



- Choose a cloud provider and region close to you, then click "**Create Deployment**".

Free forever! Your free cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime.

Configurations

Name
You cannot change the name once the cluster is created.

Quick setup

☒ Automate security setup ⓘ

☐ Preload sample dataset ⓘ

Provider

aws

Google Cloud

Azure

Region

Mumbai (ap-south-1) ★

★ Recommended ⓘ

★ Low carbon emissions ⓘ

Tag (optional)
Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)

- Once deployment starts, you'll be directed to the connection setup.
- Add your IP address for access (use "Allow Access from Anywhere" if unsure).

Atlas

Ravi's Org - ...

Notes App

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Atlas Search

Stream Processing

Migration

SECURITY

Quickstart

Backup

Database Access

Network Access

Connect to notesdb

1 Set up connection security

2 Choose a connection method

3 Connect

You need to secure your MongoDB A access your cluster now. [Read more](#)

Step 1

1. Add a connection IP address

Step 2

2. Create a database user

This first user will have [atlasAdmin](#) permissions for this project. You'll need your database user's credentials in the next step.

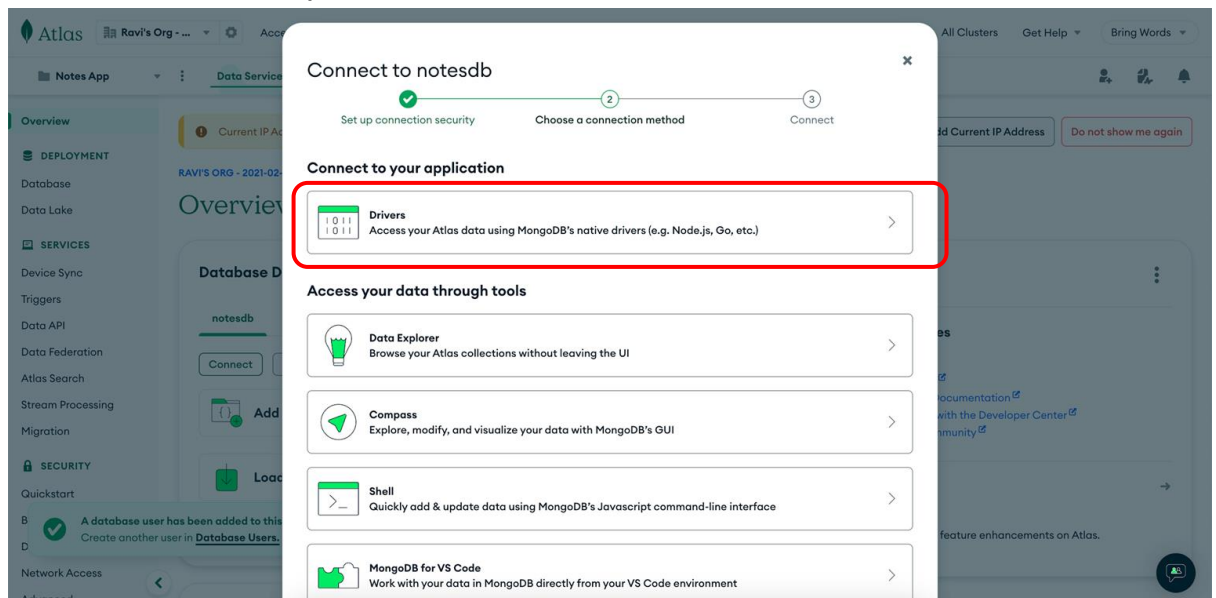
Username

Password

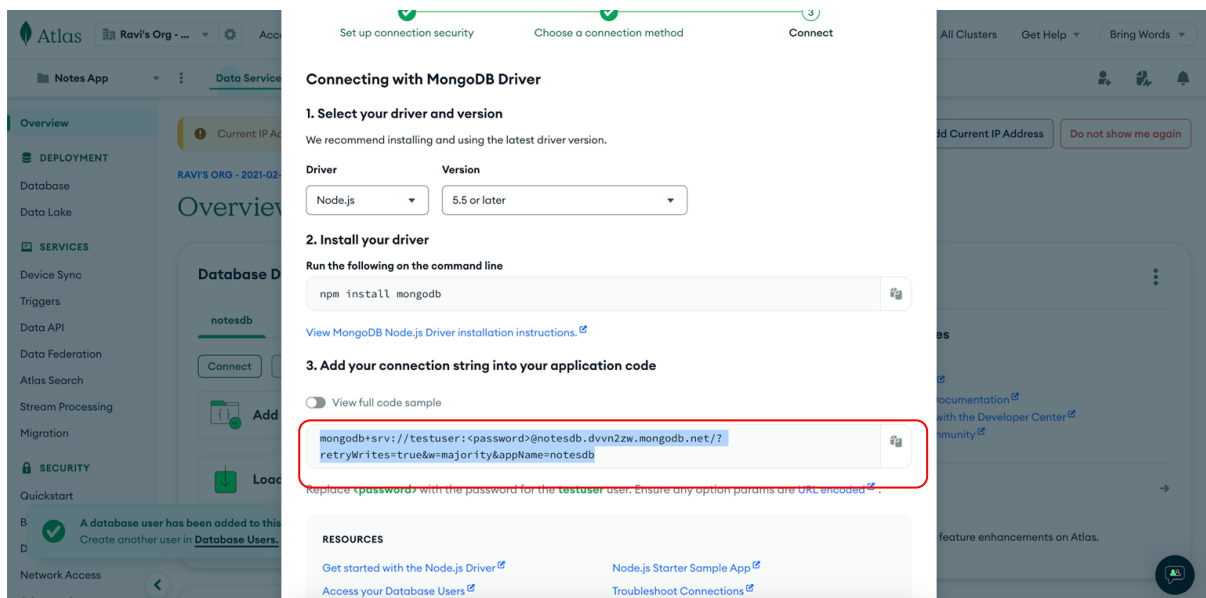
Step 3

- Create a database user with a username and password.
- Click "**Choose a connection method**".

- Select the "Drivers" option.



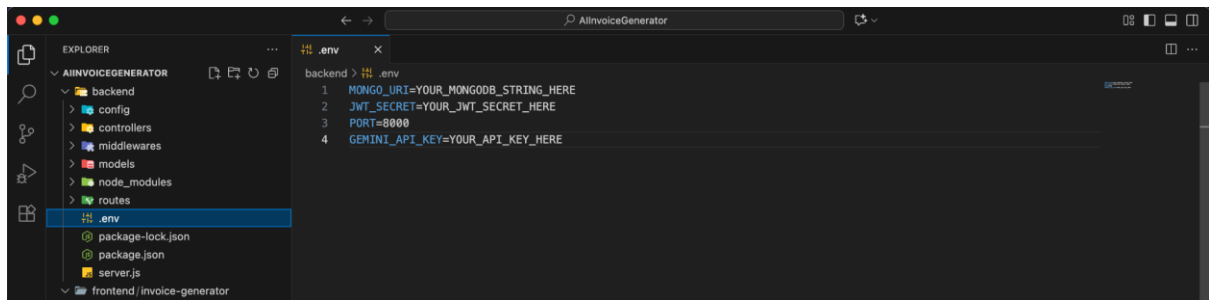
- Copy the Node.js connection string.



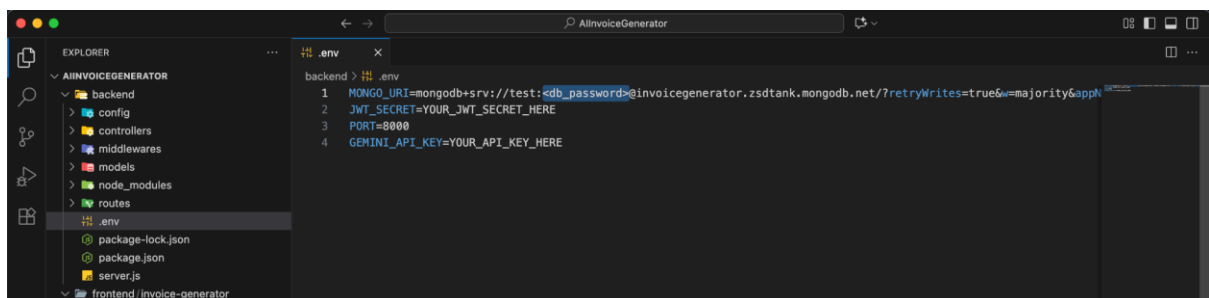
4. Update .env File:

- Paste the connection string into your .env file.

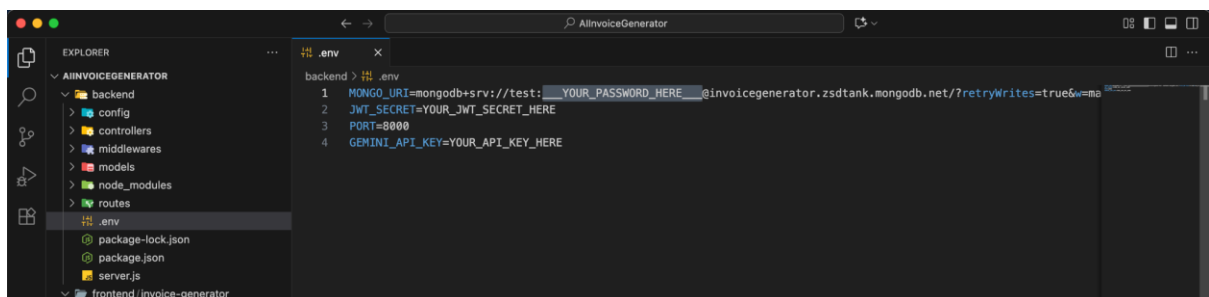
Before:



After:



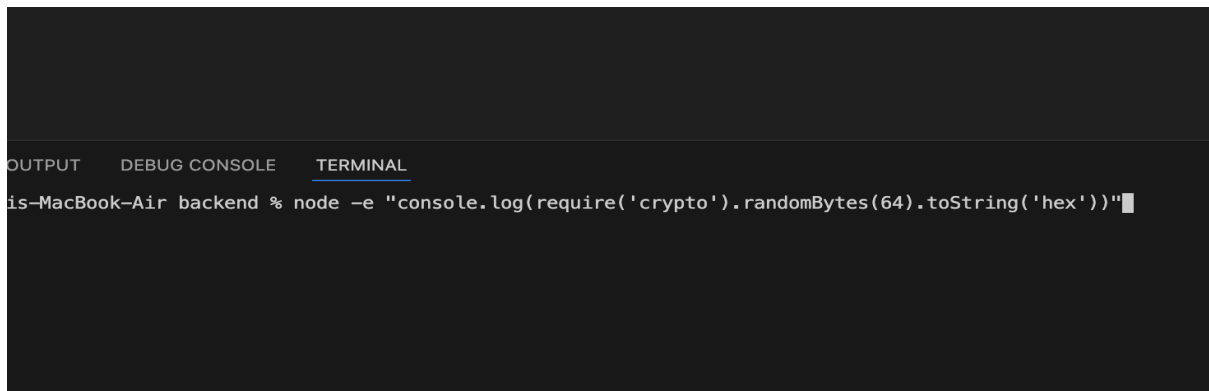
- Replace `<db_password>` with the password of the database user created earlier.



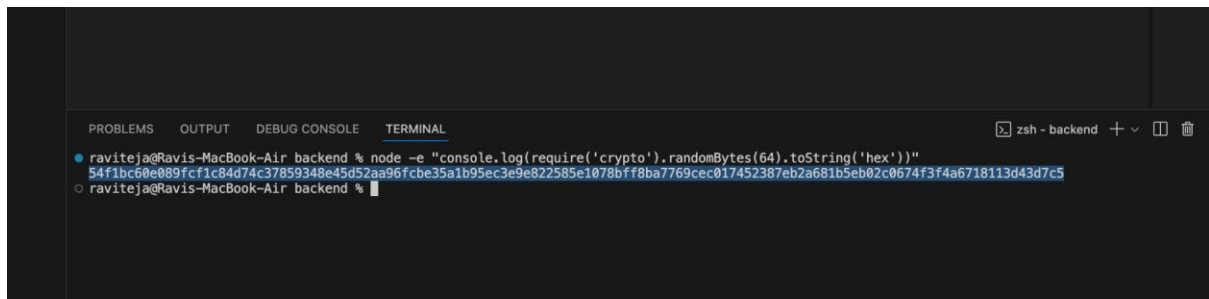
5. Generate JWT Secret:

- Run the following command in your terminal:

```
node -e "console.log(require('crypto').randomBytes(64).toString('hex'))"
```

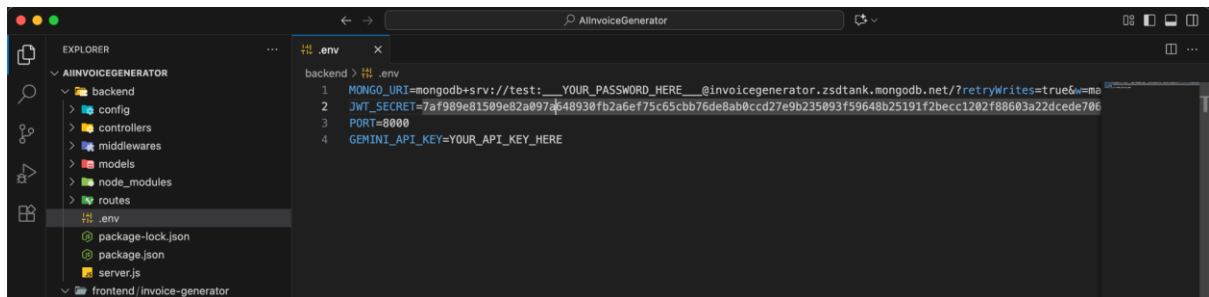


```
is-MacBook-Air backend % node -e "console.log(require('crypto').randomBytes(64).toString('hex'))"
54f1bc68e089f1c84d74c37859348e45d52aa96fcb35a1b95ec3e9e822585e1078bf8ba7769cec017452387eb2a681b5eb02c0674f3f4a6718113d43d7c5
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL zsh - backend + v
raviteja@Ravis-MacBook-Air backend % node -e "console.log(require('crypto').randomBytes(64).toString('hex'))"
54f1bc68e089f1c84d74c37859348e45d52aa96fcb35a1b95ec3e9e822585e1078bf8ba7769cec017452387eb2a681b5eb02c0674f3f4a6718113d43d7c5
raviteja@Ravis-MacBook-Air backend %
```

- Copy the output and set it as **JWT_SECRET** in your **.env** file.

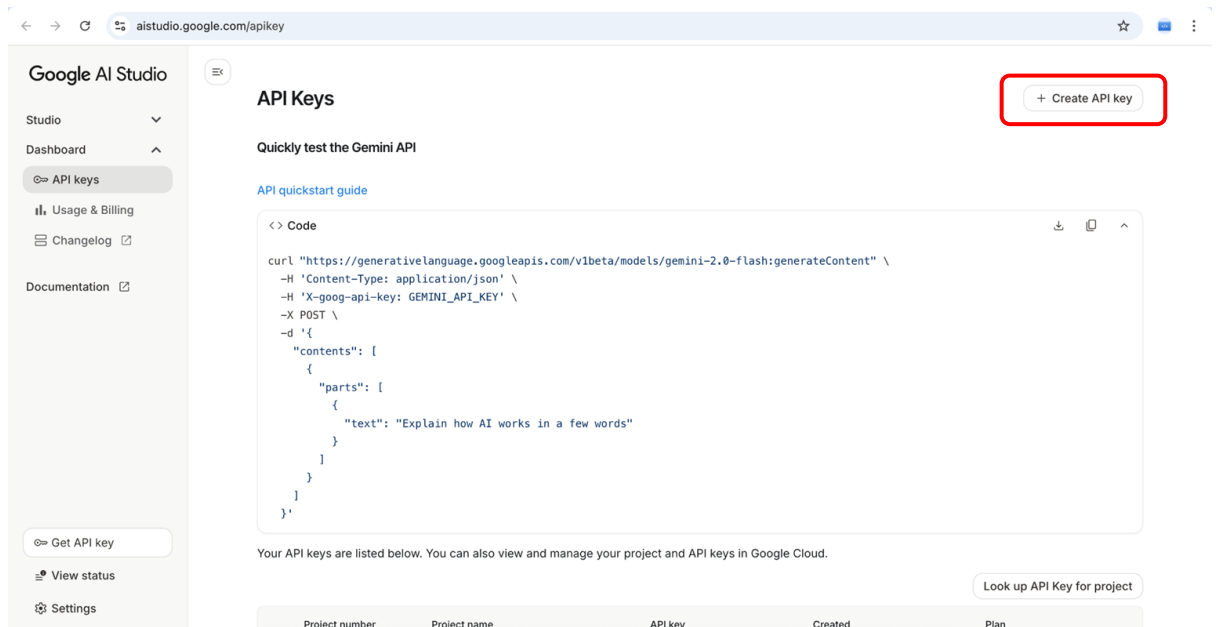


```
EXPLOSER AllInvoiceGenerator
AIINVOICEGENERATOR
  backend
  config
  controllers
  middlewares
  models
  node_modules
  routes
  .env
  package-lock.json
  package.json
  server.js
frontend / invoice-generator

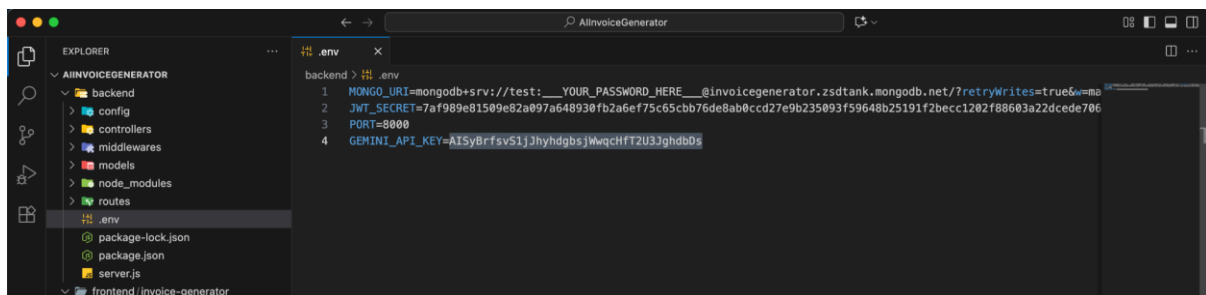
backend .env
1 MONGO_URI=mongodb+srv://test:YOUR_PASSWORD_HERE@invoicegenerator.zsdtank.mongodb.net/?retryWrites=true&w=m
2 JWT_SECRET=54f1bc68e089f1c84d74c37859348e45d52aa96fcb35a1b95ec3e9e822585e1078bf8ba7769cec017452387eb2a681b5eb02c0674f3f4a6718113d43d7c5
3 PORT=8000
4 GEMINI_API_KEY=YOUR_API_KEY_HERE
```

6. Set Up Gemini API Key:

- Go to [Google AI Studio](#)
- Click **"Get API Key"** and then **"Create API Key"**.



- Copy the API key and paste it into your `.env` file.



- Now, start the server by running:

```
npm run dev
```

Frontend

1. Navigate to the ``frontend/invoice-generator`` folder.

```
cd frontend/invoice-generator
```

2. Run the following command to install the required dependencies:

```
npm install
```

3. After the installation is complete, start the React development server by running:

```
npm run dev
```


This will start the frontend server and open the app in your default web browser.