

# Deploying JSON Server on render.com ( Heroku Alternative )

We are gonna see how we can deploy `json-server` to render.com which is a good alternative to heroku as heroku is gonna shut down it's free services in sometime.

You can read [json server documentation here](#)

## Step 1 : Create a folder ( You can give it any name; I am gonna name my folder

`mock-server-app`

```
mkdir mock-server-app
```

## Step 2 : Move into folder

```
cd mock-server-app
```

## Step 3 : Run the following command

```
npm init -y
```

When you run the above command. You should see something like this in your terminal. This will also create a `package.json` file which would look something like this

`package.json`

```
Wrote to /Users/abduljabbarpeer/Teach_Frontend/mock-server-app/package.json:
#( package.json path in your system will be displayed ) { "name": "mock-
server-app", "version": "1.0.0", "description": "", "main": "index.js",
"scripts": { "test": "echo \"Error: no test specified\" && exit 1" },
"keywords": [], "author": "", "license": "ISC", }
```

## Step 4 : Install `json-server` library

```
npm i json-server
```

## Step 5 : For the next step; You need to create some files and add/change some code/data to it

PS : This is part of `json-server` documentation. Here's the [documentation link](#)

1. Create a file called `db.json` and add the data that you want to host. I am adding the following fake users data which has been generated using [faker](#) is super helpful if you want to generate fake data for any purpose ( I use it for dev purposes )

`db.json`

```
{ "users": [ { "id": 1, "name": "Gertrudis Tatterton", "age": 18, "email": "gtatterton0@ehow.com" }, { "id": 2, "name": "Gail Newbatt", "age": 53, "email": "gnewbatt1@un.org" }, { "id": 3, "name": "Walliw Wilstead", "age": 49, "email": "wwilstead2@tripadvisor.com" }, { "id": 4, "name": "Abran Proback", "age": 29, "email": "aproback3@theglobeandmail.com" }, { "id": 5, "name": "Roda Chappelow", "age": 31, "email": "rchappelow4@oaic.gov.au" }, { "id": 6, "name": "Karney Wylie", "age": 22, "email": "kwylie5@miitbeian.gov.cn" }, { "id": 7, "name": "Cammi Pimbley", "age": 63, "email": "cpimbley6@nyu.edu" }, { "id": 8, "name": "Gavra Manning", "age": 43, "email": "gmanning7@lycos.com" }, { "id": 9, "name": "Zachary Seward", "age": 45, "email": "zseward8@oracle.com" }, { "id": 10, "name": "Chucho Norssister", "age": 20, "email": "cnorssister9@mayoclinic.com" } ] }
```

2. Create a file called `server.js` and add the following code

`server.js`

```
const jsonServer = require("json-server"); // importing json-server library
const server = jsonServer.create(); const router =
jsonServer.router("db.json"); const middlewares = jsonServer.defaults();
const port = process.env.PORT || 3001; // you can use any port number here; i
chose to use 3001 server.use(middlewares); server.use(router);
server.listen(port);
```

3. Create a file called `.gitignore` and add the following code ( It ignores node\_modules when the code is hosted on github )

`node_modules`

4. Finally you need to make some changes to your `package.json` file that got created initially.

```
{ "name": "mock-server-app", "version": "1.0.0", "description": "mock server app", "main": "server.js", // since i want server.js to be entry point. I need to update the same here( if you have used index.js. then update your filename here ) "scripts": { "start": "node server.js" // npm start command }, "keywords": [], "author": "abdul", "license": "ISC", "dependencies": { "json-server": "^0.17.0" } }
```

## Step 6 : Pushing the code to github

1. Create a repo on github

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

### Repository template

Start your repository with a template repository's contents.

No template ▾

Owner \*



abduljabbarpeer ▾

Repository name \*



mock-server-app



Great repository names are short and memorable. Need inspiration? How about **special-octo-computing-machine?**

Description (optional)

mock server app



**Public**

Anyone on the internet can see this repository. You choose who can commit.



**Private**

You choose who can see and commit to this repository.

### Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ **Add a README file**

This is where you can write a long description for your project. [Learn more.](#)

### Add .gitignore

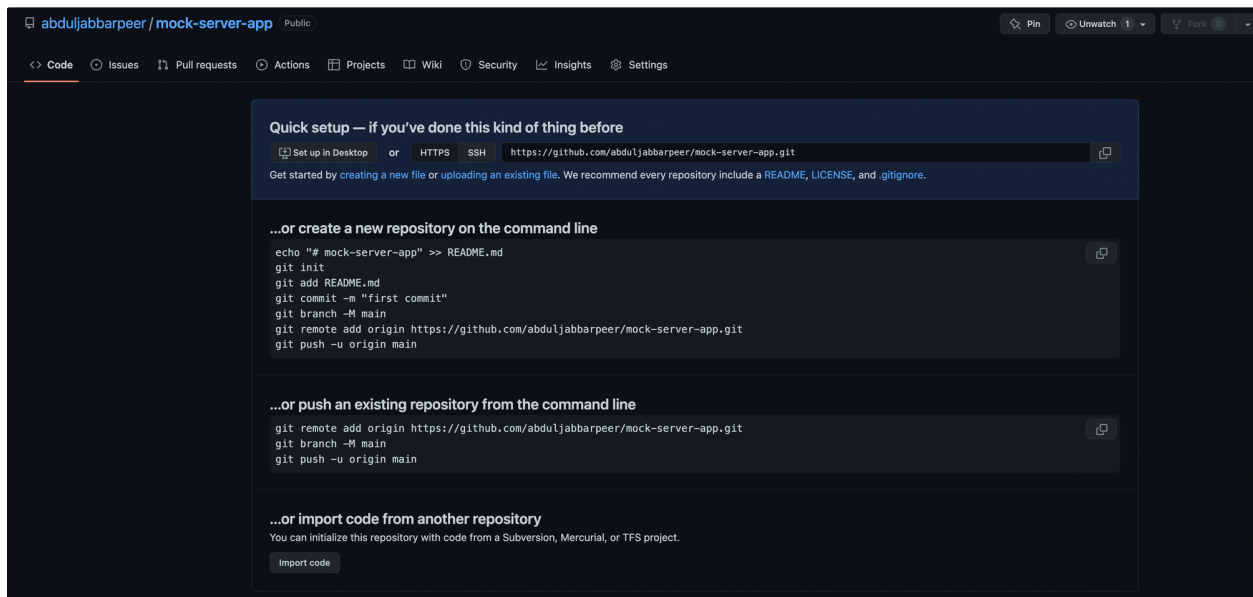
Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None ▾

### Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

License: None ▾



## 2. Initialise Git Repo

```
git init
```

## 3. Add Origin

```
git remote add origin https://github.com/<your-github-username>/<your-repo-name>.git
```

## 4. Add

```
git add .
```

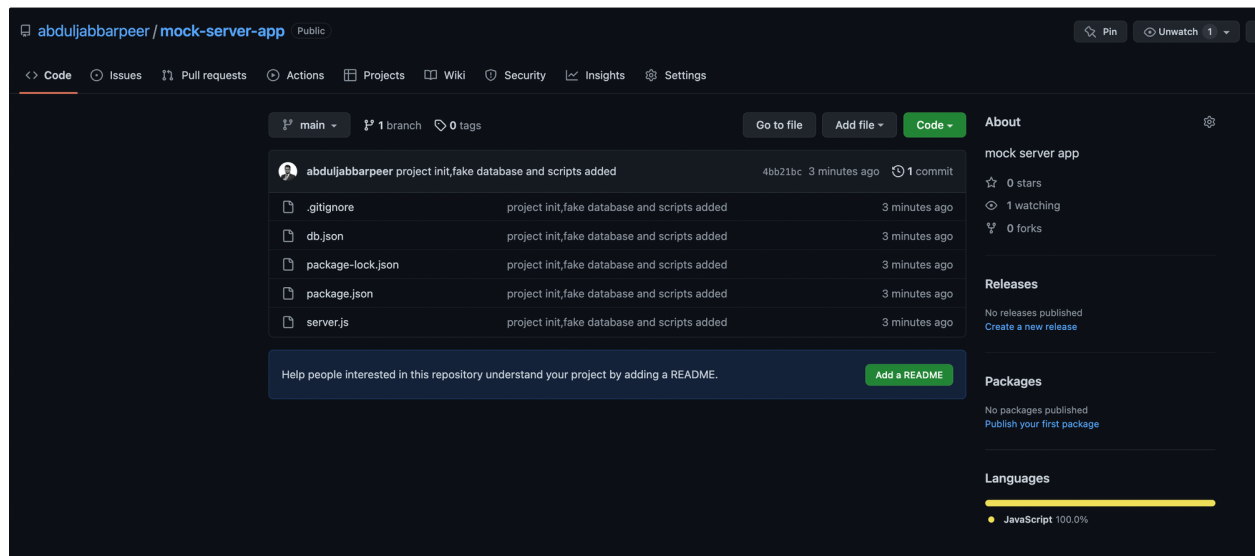
## 5. Commit

```
git commit -m "add-your-commit-message-here"
```

## 6. Push

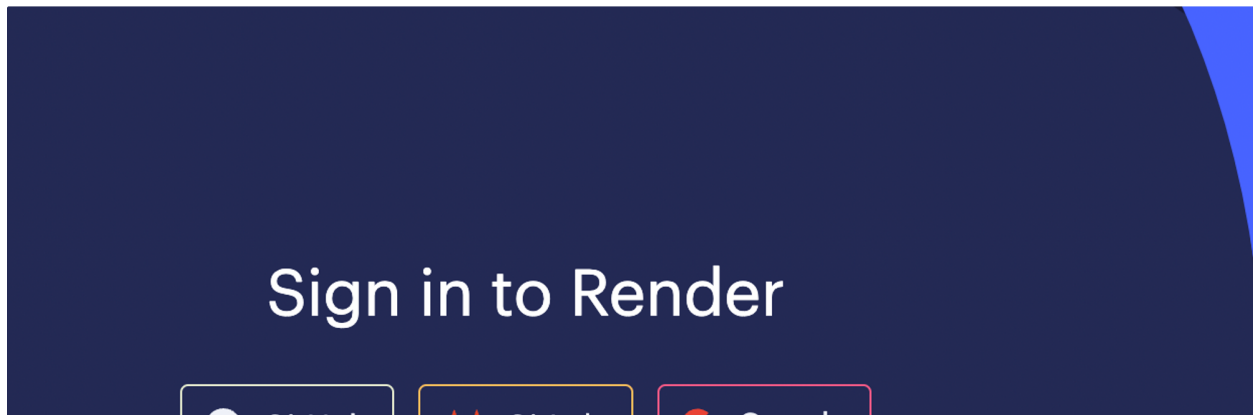
```
git push origin main
```

just check your github repo whether it has been updated or not



**Step 7 : Now comes the part of deployment. For that please go to <https://render.com/>**

1. Click on signin

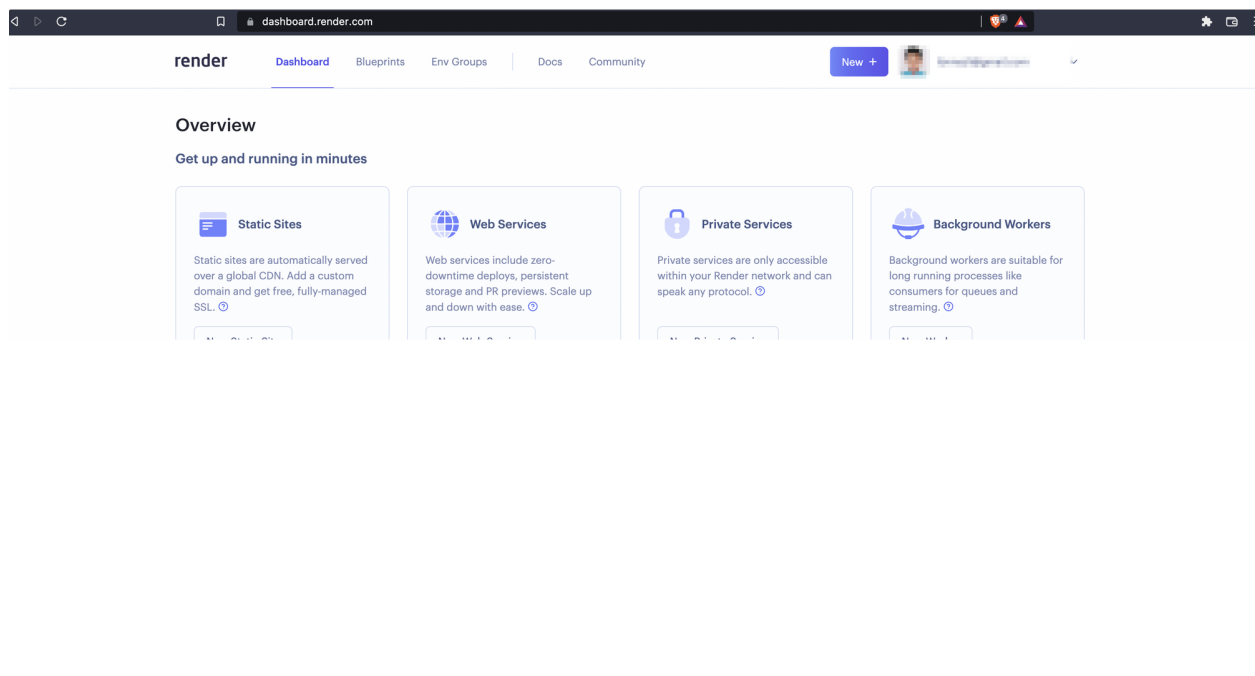




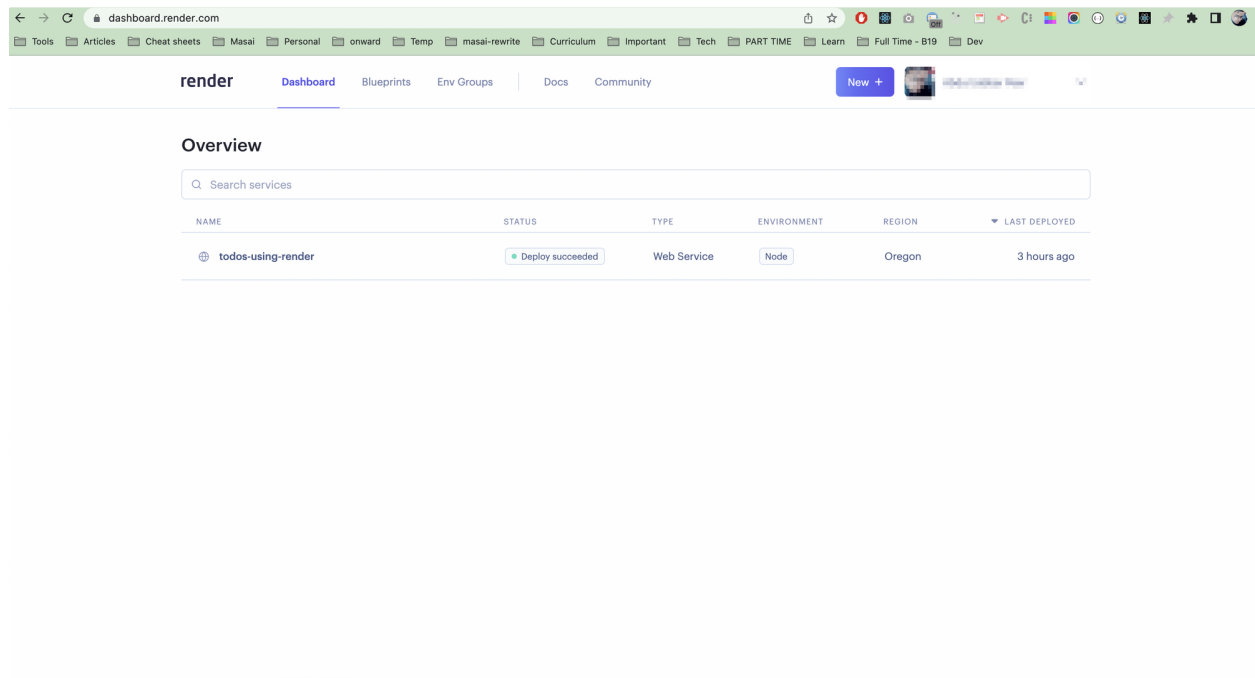
2. If you don't have an account; Signup and then login. you have lot of options to signup and login. I personally went with using github credentials and I'd suggest you do the same ( I am gonna continue this with the assumption that you have done signup and login using github option )

PS : When you signup for the first time; You will be asked to verify your email and once verified you will be able to start utilizing [render.com](https://render.com) services

3. This is how the dashboard of [render.com](https://render.com) will look like once you sign in

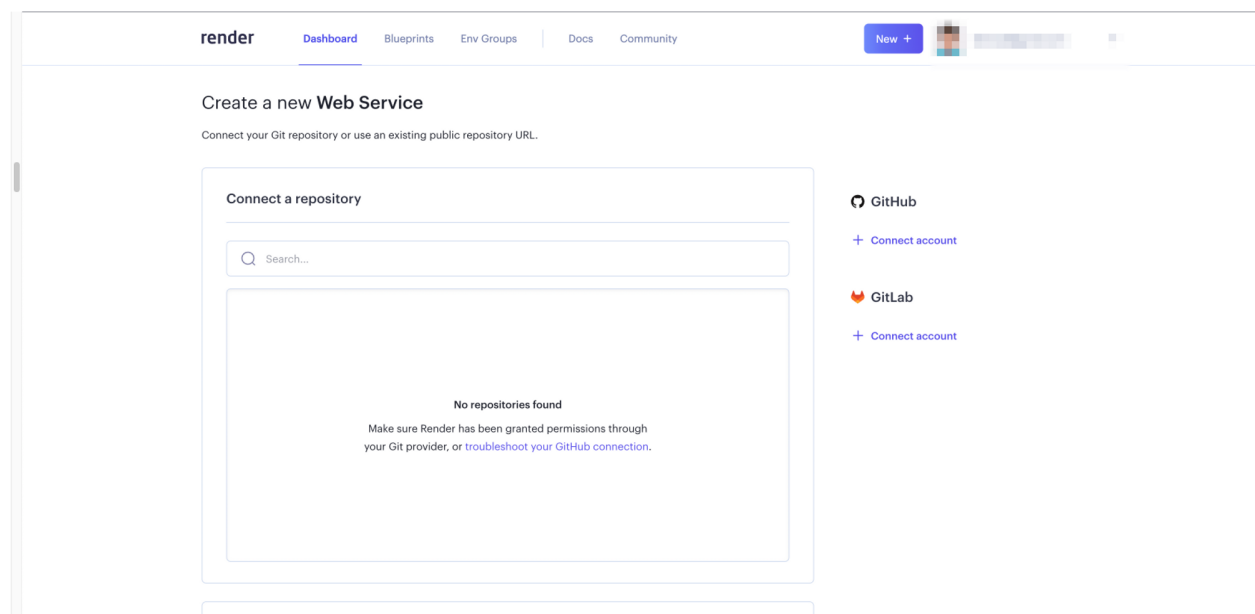


and if you have already created a project in the past. It'd look like this

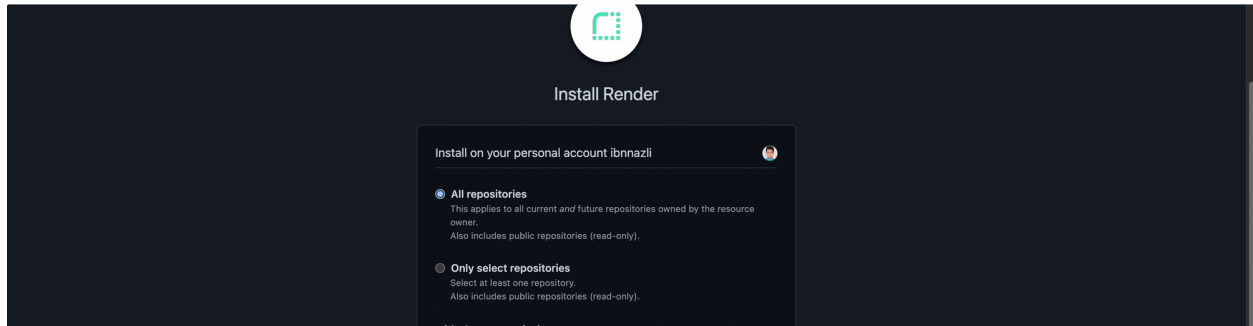


Clicking on **New +** Button at the top also gives you the same options

- Click on **New Service** button. You'll see a page like this. Connect your github account



5. You'll see the following screen then

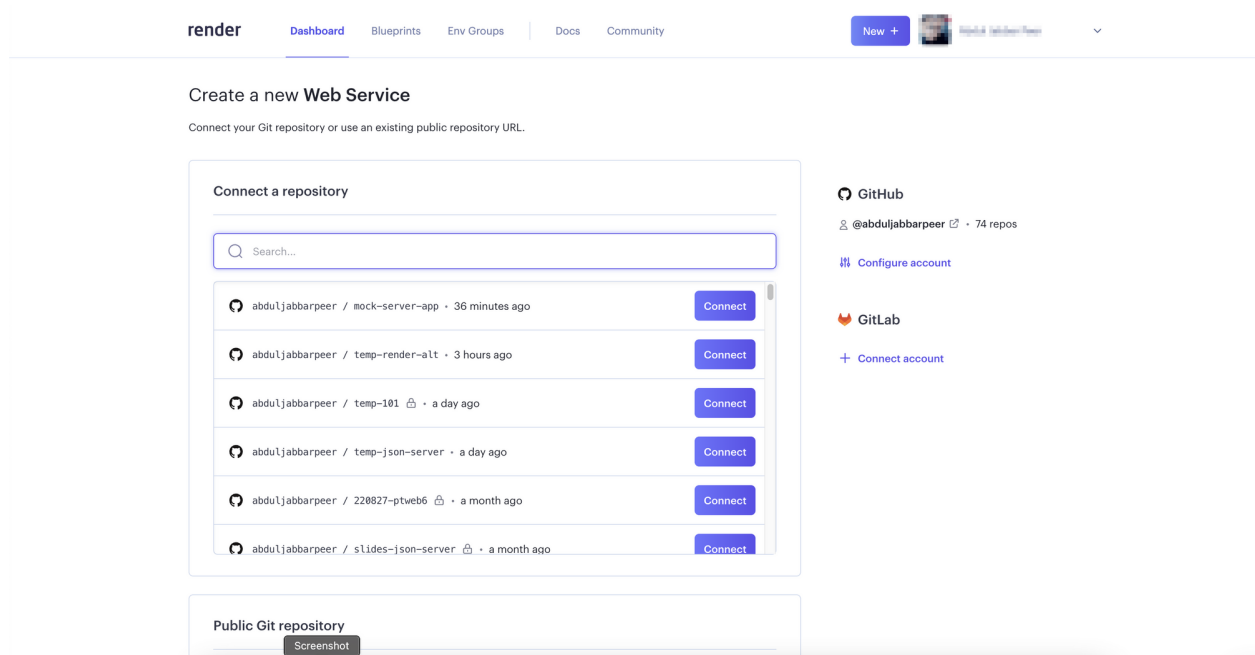


You can either give permission to select all your repositories or only selected repository. You'll have to choose repository here if you go with only select repository option.

I have selected **All Repositories** and gave permission to access all repositories. Then click on **install** button

Now I will have to select the repository that I want to deploy

6. So I select the repo ( mock-server-app ) that I want to deploy




7. You'll get the following screen. Some of the input boxes here gets auto populated from the github repo itself which is great.

render

[Dashboard](#)[Blueprints](#)[Env Groups](#)[Docs](#)[Community](#)

New +



Abduljabbarpeer

You are deploying a web service for [abduljabbarpeer/mock-server-app](#).

You seem to be using **Node**, so we've autofilled some fields accordingly. Make sure the values look right to you!

Name

A unique name for your web service.

example-service-name

Required

Root Directory

Render automatically deploys your service when files change inside the **root directory**. Render runs commands and interacts with files **relative to the root directory**. By default, the root directory is set to the top-level directory in your repository.

e.g. src

Environment

The runtime environment for your web service.

Node

Region

Oregon (US West)

Give name to your application and you can leave root directory empty for this one

https://abduljabbarpeer.notion.site/abduljabbarpeer/Deploying-JSON-Server-on-render-com-Heroku-Alternative-2caf242350d84941b87ba98f5d2e43... 13/15

`Enviroment` , `Region` , `Branch` , `Build Command` , `Start Command` data was automatically picked which is fine as that's correct. If you need to configure something in here; you can do so

The `Name` field here will be your application URL once it's deployed. So I am gonna go ahead and give it some name

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Account

Settings

Logout

You are deploying a web service for [abduljabbarpeer/mock-server-app](#).

You seem to be using **Node**, so we've autofilled some fields accordingly. Make sure the values look right to you!

Name

mock-server-app