

Experiment 9

Aim - CI/CD Deployment with GitHub Actions + Render/Vercel

Code -

The screenshot shows the 'Settings' page for a service named 'TravList' on the Render platform. The page is divided into two main sections: 'General' and 'Build & Deploy'.

General Section:

- Name:** TravList (A unique name for your Web Service. Edit)
- Region:** Oregon (US West) (Your services in the same region can communicate over a private network. Edit)
- Instance Type:** Free (0.1 CPU, 512 MB) (Update)
- Payment:** A purple banner indicates: "Please enter your payment information to select an instance type with higher limits." Below it, a link says: "See remaining free usage, or learn about free service limits."

Build & Deploy Section:

- Repository:** https://github.com/NikhilSKale/Travel-Listing (The repository used for your Web Service. Edit)

Fig 1.1 - Configure Deployment Settings

The screenshot shows the 'Build & Deploy' settings page for a service. The settings are as follows:

- Branch:** main (The Git branch to build and deploy. Edit)
- Git Credentials:** nicksale815@gmail.com (you) (User providing the credentials to pull the repository. Use My Credentials)
- Root Directory:** Optional (If set, Render runs commands from this directory instead of the repository root. Additionally, code changes outside of this directory do not trigger an auto-deploy. Most commonly used with a monorepo. Edit)
- Build Filters:** (Include or ignore specific paths in your repo when determining whether to trigger an auto-deploy. Paths are relative to your repo's root directory. Learn more. Edit)
 - Included Paths:** Changes that match these paths will trigger a new build. (+ Add Included Path)
 - Ignored Paths:** Changes that match these paths will not trigger a new build. (+ Add Ignored Path)
- Build Command:** \$ npm install (Render runs this command to build your app before each deploy. Edit)
- Pre-Deploy Command:** Optional (Render runs this command before the start command. Useful for database migrations and static asset uploads. Edit)
- Start Command:** \$ node app.js (Render runs this command to start your app with each deploy. Edit)
- Auto-Deploy:** Off (By default, Render automatically deploys your service whenever you update its code or configuration. Disable to handle deploys manually. Learn more. Edit)
- Deploy Hook:** (Your private URL to trigger a deploy for this server. Remember to keep this a secret. Regenerate hook)

Fig 1.2 - Configure Github(branch), set run command

```
Oct 15 10:54:05 PM ⓘ g7vkw ==> Running 'node app.js'
Oct 15 10:54:11 PM ⓘ g7vkw Server is listening on port 8080
Oct 15 10:54:13 PM ⓘ g7vkw Connection successful
Oct 15 11:34:04 PM ⓘ rhwq7 ==> Running 'node app.js'
Oct 15 11:34:09 PM ⓘ rhwq7 Server is listening on port 8080
Oct 15 11:34:11 PM ⓘ rhwq7 Connection successful
```

Fig 1.3 - Logs

Output -

Nikhil's workspace

TravList

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WEB SERVICE

TravList

Node

Free

Upgrade your instance →

Connect

Manual Deploy

Service ID: srv-d2739363jplc73e2a8cg

NikhilSKale / Travel-Listing

main

https://travlist.onrender.com

ⓘ Your free instance will spin down with inactivity, which can delay requests by 50 seconds or more.

Upgrade now

Filter events

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✓ Deploy live for **bec8eb2**: Add file upload and connect atlas

August 2, 2025 at 9:29 PM

Deploy started for **bec8eb2**: Add file upload and connect atlas

Manually triggered by you via Dashboard

Build cache cleared

August 2, 2025 at 9:27 PM

✓ Deploy live for **bec8eb2**: Add file upload and connect atlas

August 2, 2025 at 9:27 PM

Rollback

Deploy started for **bec8eb2**: Add file upload and connect atlas

Manually triggered by you via Dashboard

Fig 2.1 - Deployment Status

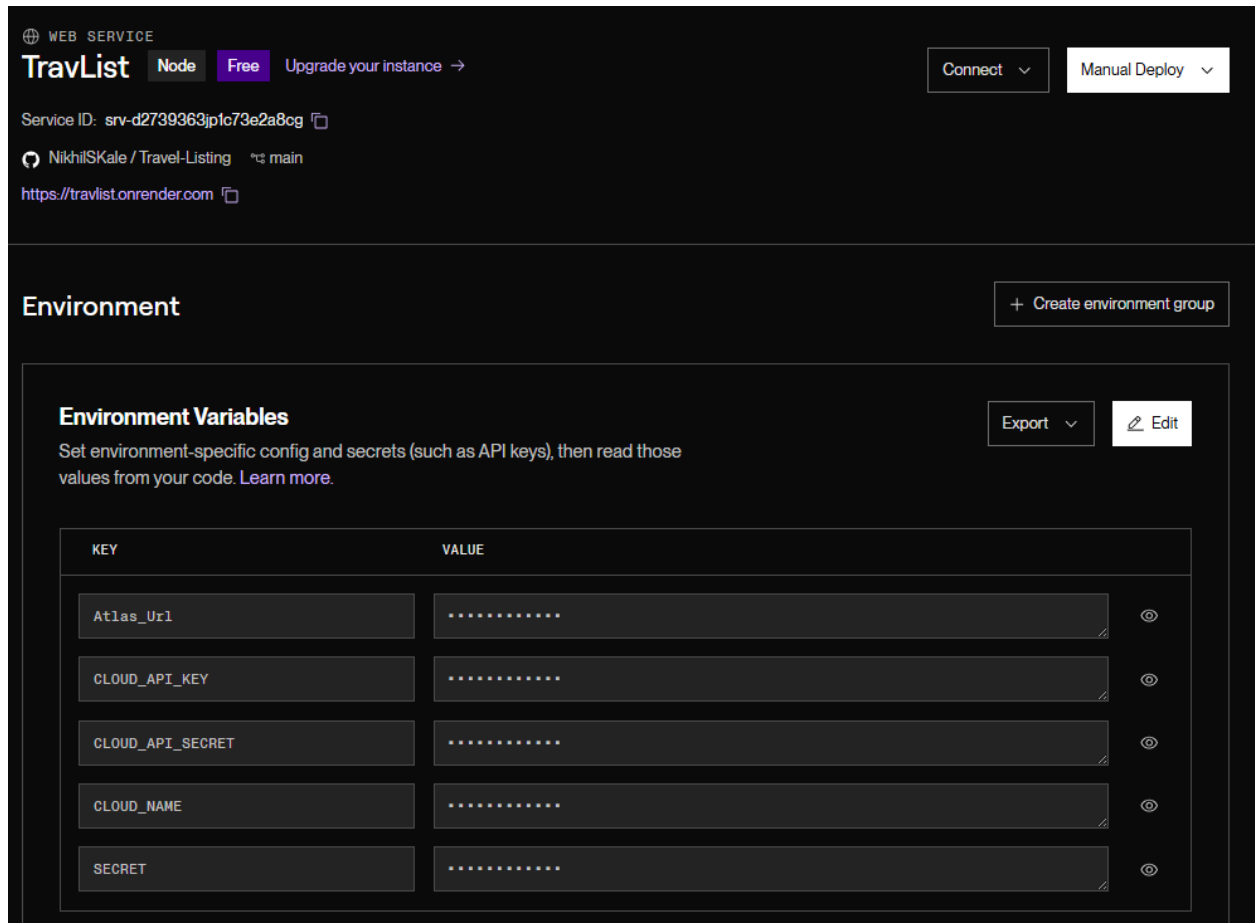


Fig 3.2 - Setup Environment variables


SERVICE NAME	1	STATUS	RUNTIME	REGION
 TravList		✓ Deployed	Node	Oregon

Fig 2.3 - Successful deployment

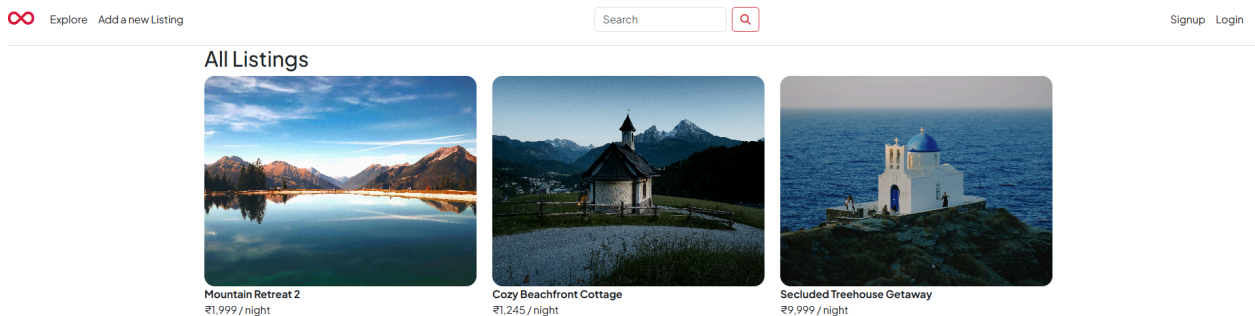


Fig 3.1 - Dashboard of Website