Experiment 10

Aim - Deploy full-stack apps using DevOps tools and Docker.

Code -

```
# server/Dockerfile
FROM node:18
WORKDIR /app
COPY package*.json ./
RUN npm install
COPY . .
EXPOSE 5000
CMD ["npm", "start"]
```

Fig 1.1 - Server side Dockerfile

Fig 1.2 - DockerCompose file

```
git init
git add .
git commit -m "Initial full-stack Docker deployment"
git remote add origin https://github.com/your-username/your-repo.git
git push -u origin main
```

Fig 1.3 - Git commands to push code to github

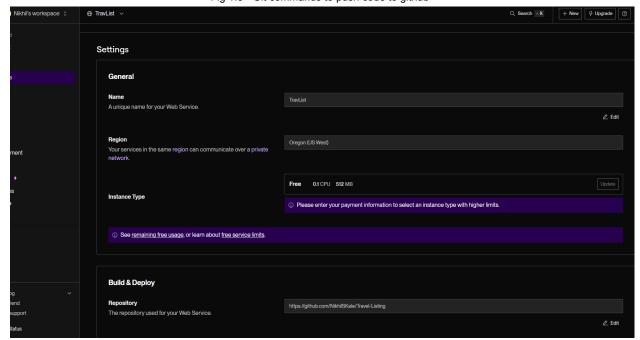


Fig 2.1 - Configure Deployment Settings

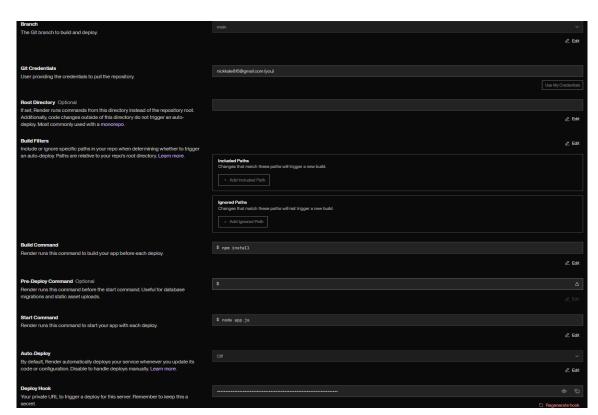


Fig 2.2 - Configure Github(branch), set run command

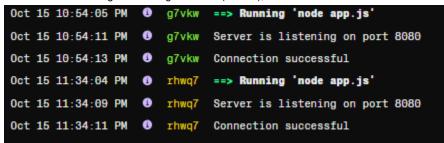


Fig 2.3 - Logs

Output -

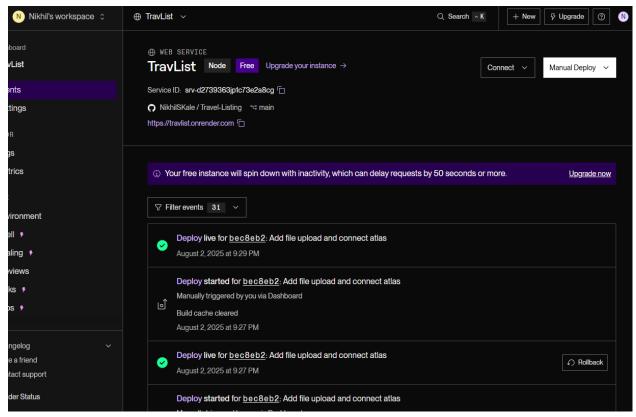


Fig 3.1 - Deployment Status

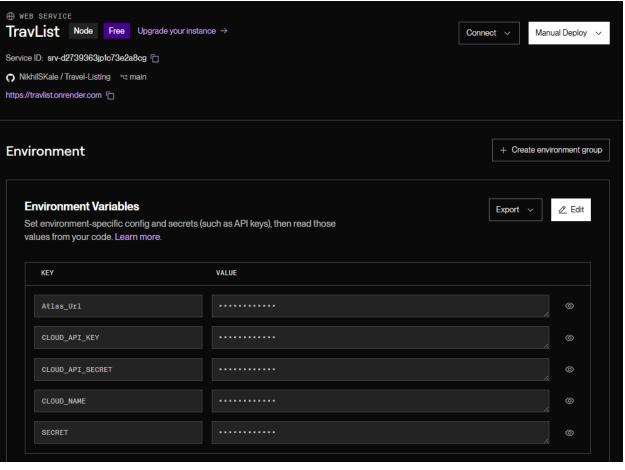


Fig 3.2 - Setup Environment variables

STATUS

REGION

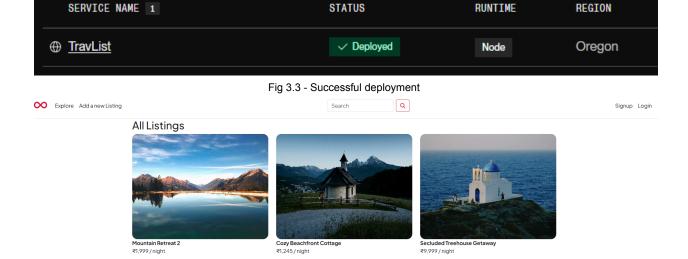


Fig 4.1 - Dashboard of Website