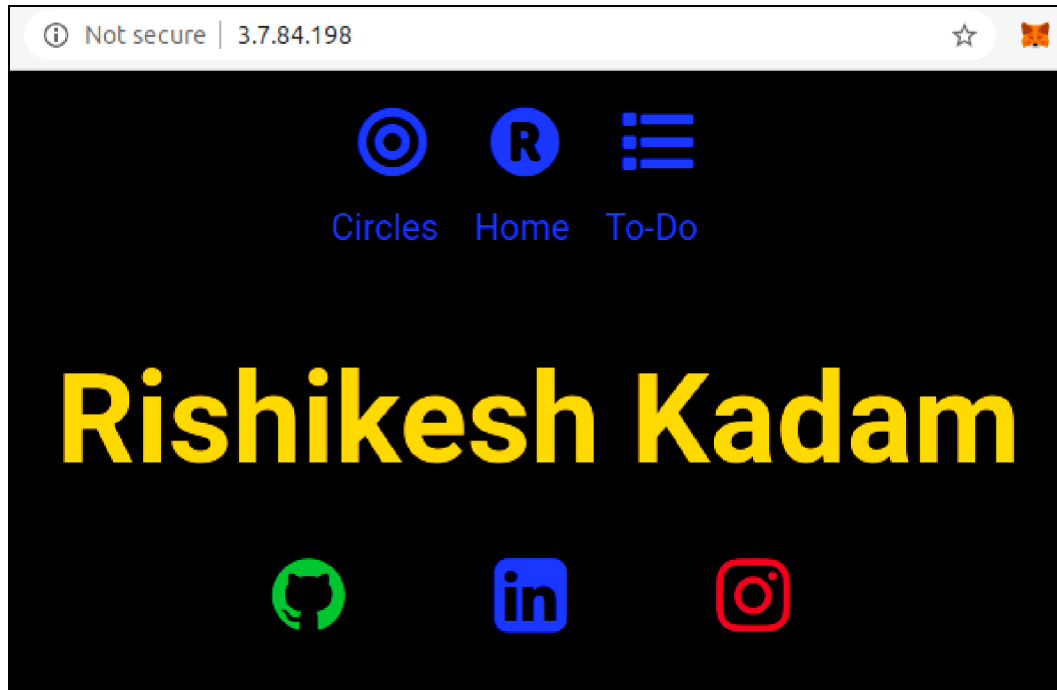


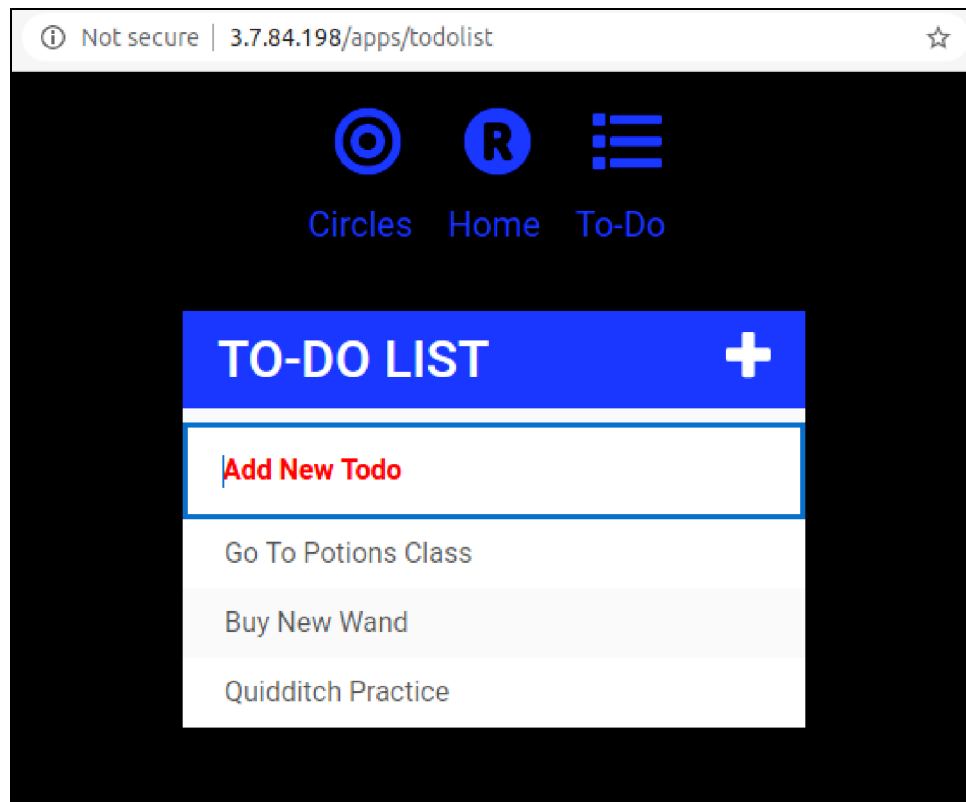
## HOSTING A NODE.JS WEB APP ON AWS CLOUDSAIL

IP: [3.7.84.198](https://3.7.84.198)Code: <https://github.com/rishikesh1419/Basic-Node-AWS-Lightsail>

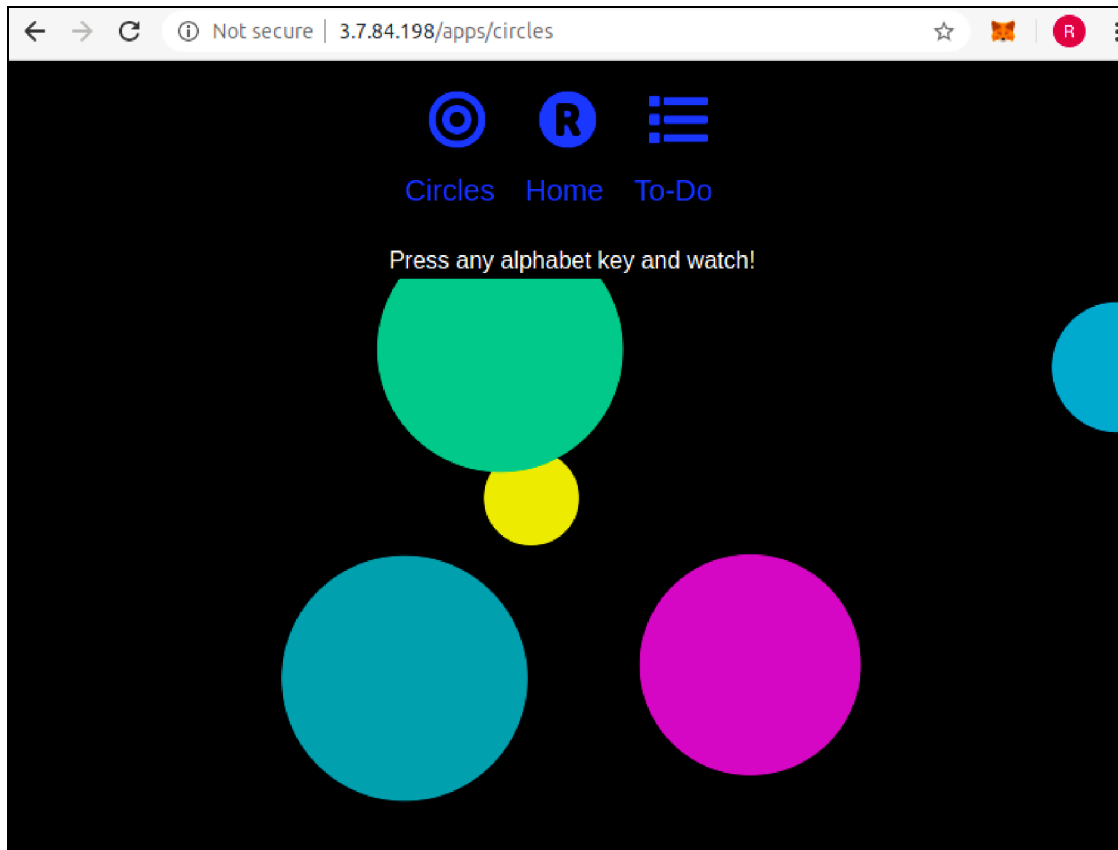
Home Page:



/apps/todolist Page:

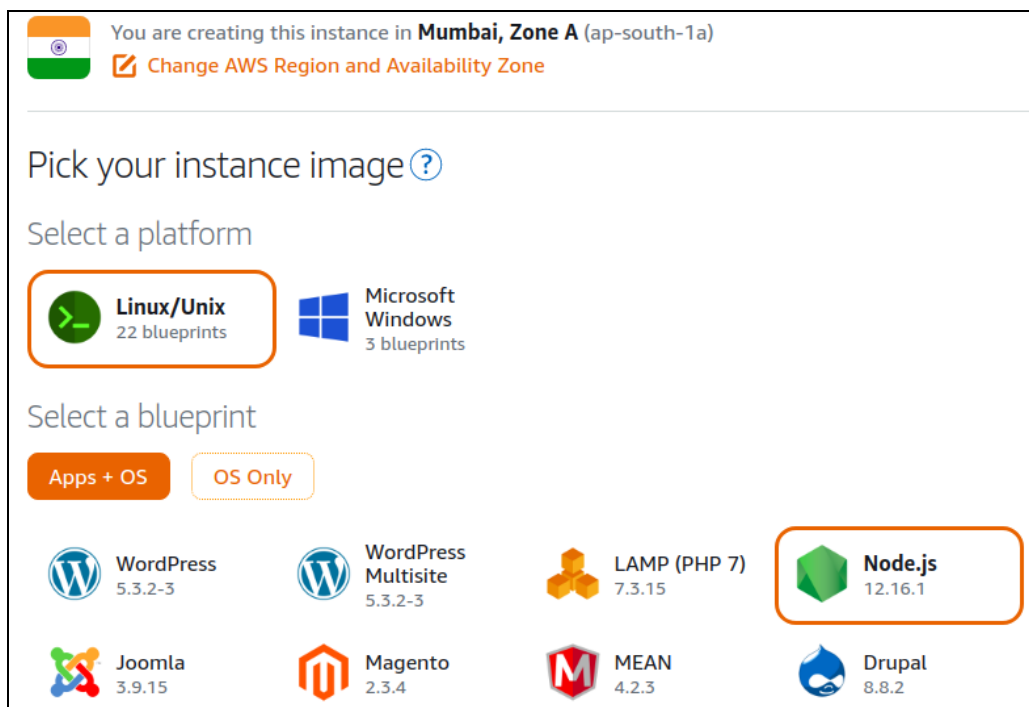


## /apps/circles Page:





## STEPS FOLLOWED

### Create a Node.js instance on AWS Cloudsail:



### Attach a static IP to the instance:


### Static IP location ?

 You are creating this static IP in **Mumbai, all zones** (ap-south-1)  
 [Change AWS Region and Availability Zone](#)


---

### Attach to an instance

Attaching a static IP replaces that instance's dynamic IP address.



**node-lightsail-cc-1**  
512 MB RAM, 1 vCPU, 20 GB SSD  
Node.js

[Cancel](#) 

---

### Identify your static IP

Your Lightsail resources must have unique names.

## Accessing the instance via SSH:

```
node-lightsail-cc-1 - Terminal | Lightsail - Google Chrome
lightsail.aws.amazon.com/ls/remote/ap-south-1/instances/node-lightsail-cc-1/terminal?protocol=ssh
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1102-aws x86_64)
*** System restart required ***

      _ _ _ _ _
     / _ _ _ _ \
    / _ _ _ _ \
   / _ _ _ _ \
  / _ _ _ _ \
 / _ _ _ _ \
/_ _ _ _ _\

*** Welcome to the Bitnami Node.js 12.16.1-0 ***
*** Documentation: https://docs.bitnami.com/aws/infrastructure/nodejs/ ***
*** https://docs.bitnami.com/aws/ ***
*** Bitnami Forums: https://community.bitnami.com/ ***

#####
### For frequently used commands, please run: ###
### sudo /opt/bitnami/bnhelper-tool ###
#####

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

bitnami@ip-172-26-13-75:~$
```

### Importing web-app code from GitHub repository:

```
bitnami@ip-172-26-13-75:~$ git clone https://github.com/rishikesh1419/Basic-Node-AWS-Lightsail.git
Cloning into 'Basic-Node-AWS-Lightsail'...
remote: Enumerating objects: 88, done.
remote: Counting objects: 100% (88/88), done.
remote: Compressing objects: 100% (65/65), done.
remote: Total 88 (delta 18), reused 83 (delta 13), pack-reused 0
Unpacking objects: 100% (88/88), 907.42 KiB | 1.00 MiB/s, done.
bitnami@ip-172-26-13-75:~$ ls
Basic-Node-AWS-Lightsail  bitnami_credentials  stack
bitnami_application_password  htdocs
```

### Configure the proxy server to handle routes to all servers:

```
# Bitnami applications installed in a prefix URL
ProxyPass /apps/todolist http://127.0.0.1:4000
ProxyPassReverse /apps/todolist http://127.0.0.1:4000
ProxyPass /apps/circles http://127.0.0.1:5000
ProxyPassReverse /apps/circles http://127.0.0.1:5000
ProxyPass / http://127.0.0.1:3000
ProxyPassReverse / http://127.0.0.1:3000
```

### Restart the Apache server:

```
bitnami@ip-172-26-13-75:/$ sudo /opt/bitnami/ctlscript.sh restart apache
Unmonitored apache
Syntax OK
/opt/bitnami/apache2/scripts/ctl.sh : httpd stopped
Syntax OK
/opt/bitnami/apache2/scripts/ctl.sh : httpd started at port 80
Monitored apache
```

### Start all three servers using FOREVER command instead of NODE command to ensure that servers restart automatically if they crash:

```
bitnami@ip-172-26-13-75:~/Basic-Node-AWS-Lightsail/ToDoList$ forever start app.js
warn:    --minUptime not set. Defaulting to: 1000ms
warn:    --spinSleepTime not set. Your script will exit if it does not stay up for
at least 1000ms
info:    Forever processing file: app.js
```

```
bitnami@ip-172-26-13-75:~/Basic-Node-AWS-Lightsail/CirclesApp$ forever start app.js
warn:    --minUptime not set. Defaulting to: 1000ms
warn:    --spinSleepTime not set. Your script will exit if it does not stay up for
at least 1000ms
info:    Forever processing file: app.js
```

```
bitnami@ip-172-26-13-75:~/Basic-Node-AWS-Lightsail/HomeServer$ forever start app.js
warn:    --minUptime not set. Defaulting to: 1000ms
warn:    --spinSleepTime not set. Your script will exit if it does not stay up for
at least 1000ms
info:    Forever processing file: app.js
```