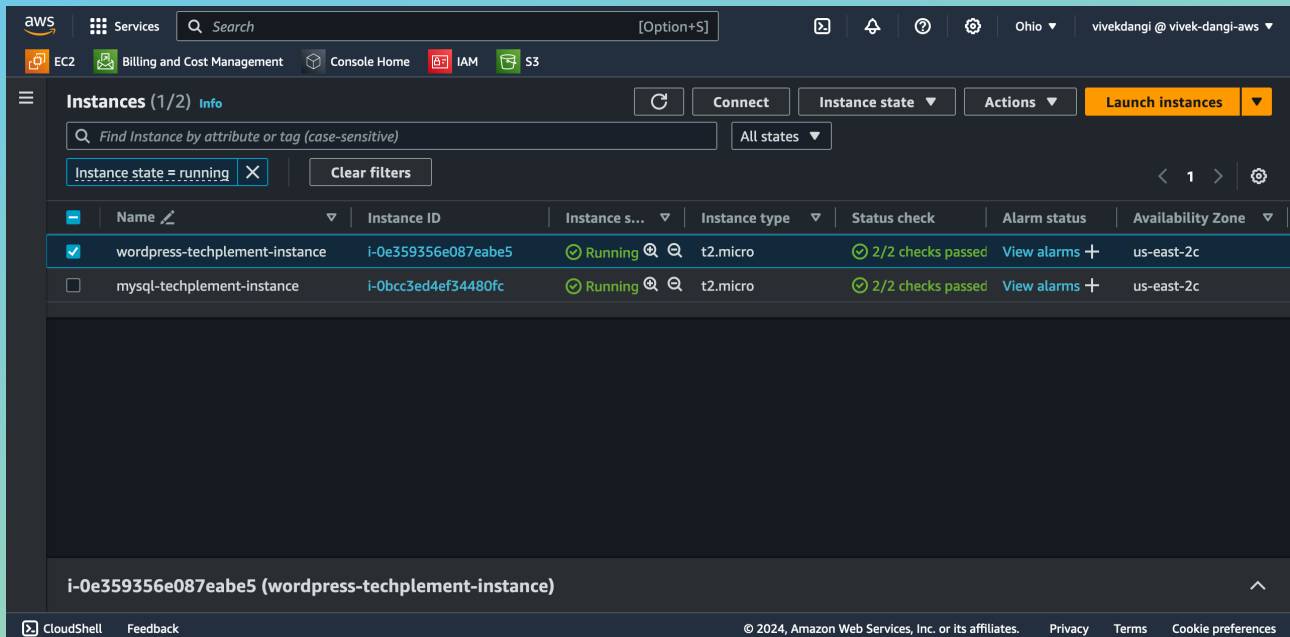
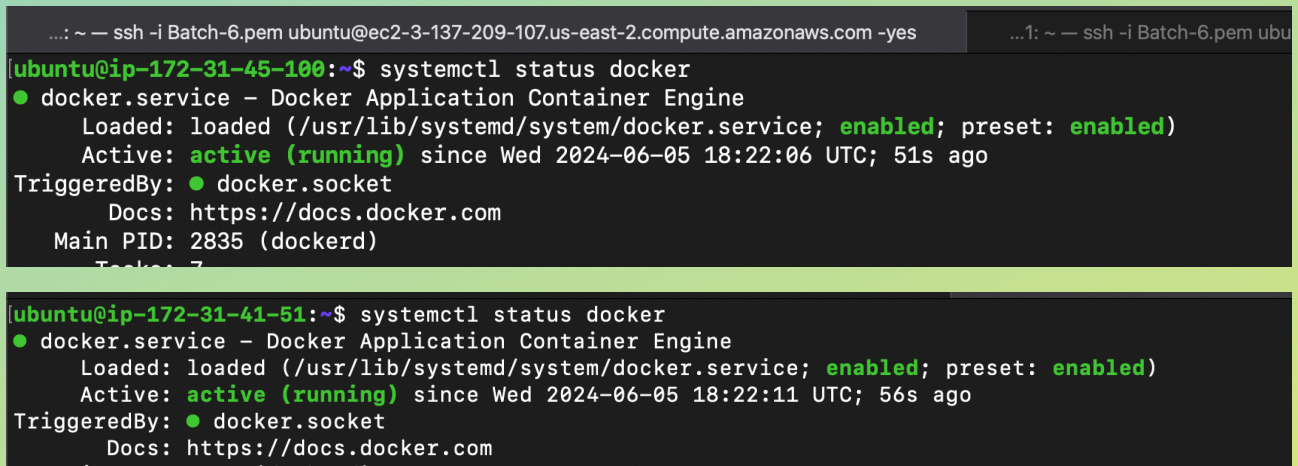


## Step 1: Setting up EC2 Instances

-Assigning security groups allowing necessary ports



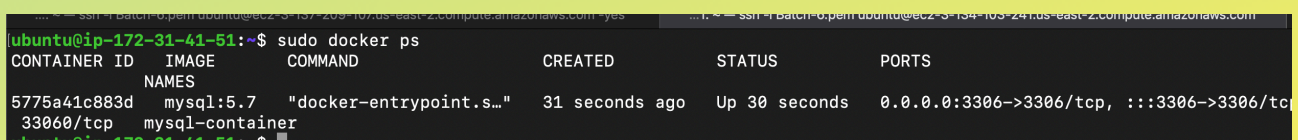
## Step 2: Installing Docker on both Instances



## Step 3: Setting up MySQL Container

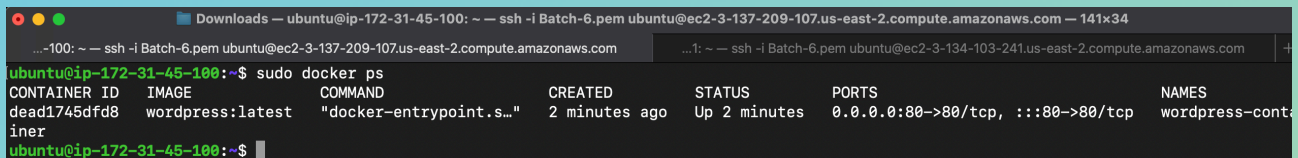
```
docker pull mysql:5.7
```

```
docker run --name mysql-container -e MYSQL_ROOT_PASSWORD=password -e  
MYSQL_DATABASE=wordpress -e MYSQL_USER=wpuser -e MYSQL_PASSWORD=password  
-d -p 3306:3306 mysql:5.7
```



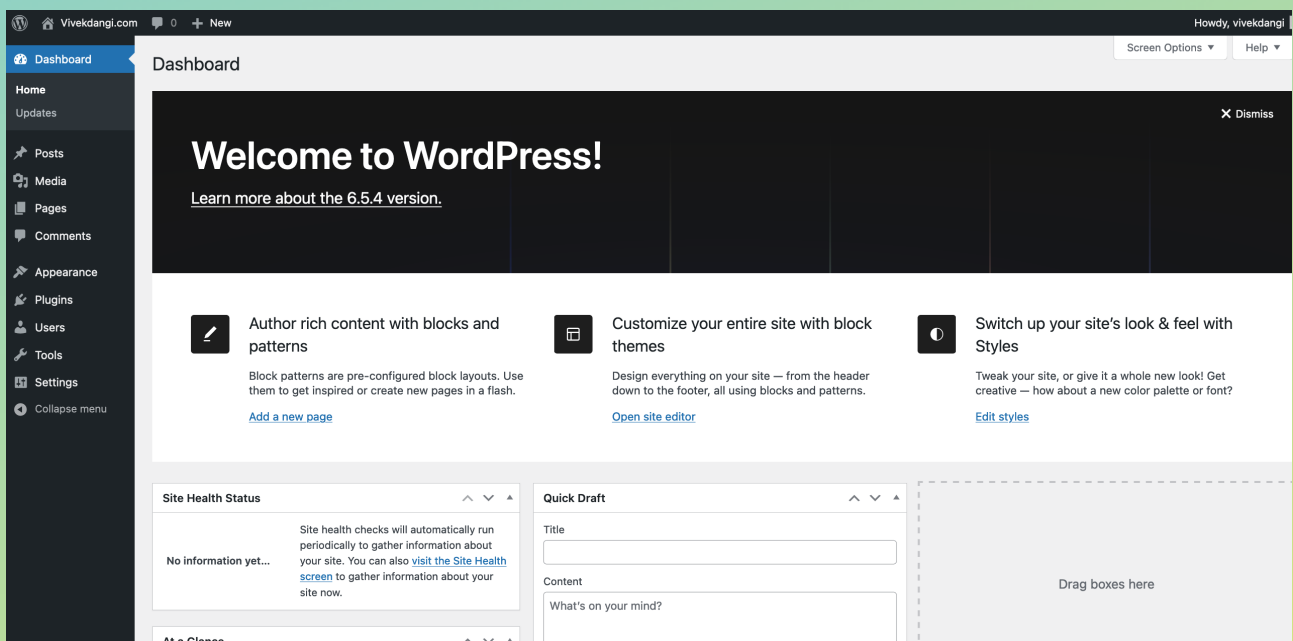
### Step 4: Setting up WordPress Container

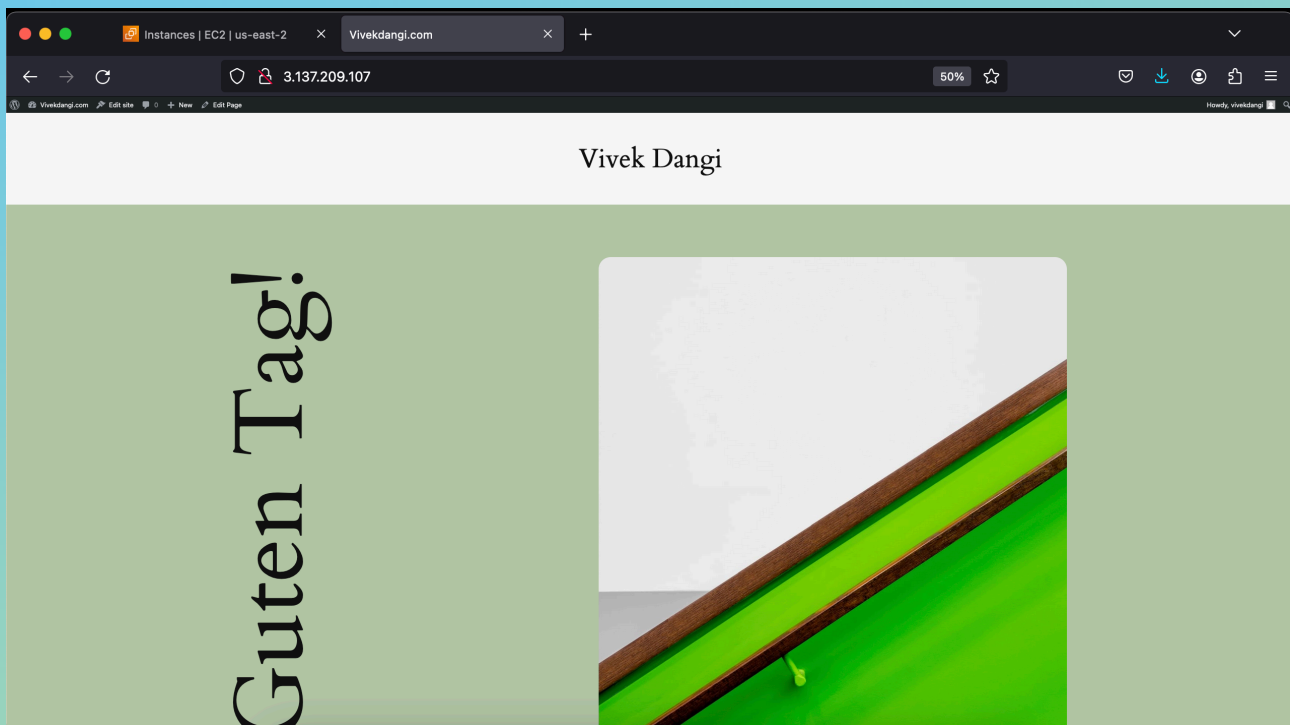
```
docker pull wordpress:latest
docker run --name wordpress-container -e
WORDPRESS_DB_HOST=3.134.103.241:3306 -e WORDPRESS_DB_USER=wpuser -e
WORDPRESS_DB_PASSWORD=password -e WORDPRESS_DB_NAME=wordpress -d -p
80:80 wordpress:latest
```

A terminal window showing the execution of Docker commands to pull and run a WordPress container. The terminal output shows the container ID, image name, command, creation time, status, ports, and name.

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
dead1745dfd8	wordpress:latest	"docker-entrypoint.s..."	2 minutes ago	Up 2 minutes	0.0.0.0:80->80/tcp, :::80->80/tcp	wordpress-container

### Step 5: Configuring WordPress



**Step 6 : Creating a welcome page in wordpress that will be the homepage****Step 7: Verifying if Wordpress has successfully connected to mysql database**

```
docker run -it --rm mysql:5.7 mysql -h 172.31.41.51 -u wpuser -p
```

```
ubuntu@ip-172-31-45-100:~$ docker run -it --rm mysql:5.7 mysql -h 172.31.41.51 -u wpuser -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 93
Server version: 5.7.44 MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| wordpress |
+-----+
2 rows in set (0.01 sec)

mysql> USE wordpress;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_wordpress |
+-----+
| wp_commentmeta |
| wp_comments |
| wp_links |
| wp_options |
+-----+
```