1. Set up two AWS instances, one for Docker and the other for HAProxy.

2. Install EPEL repository and update both servers:

```
subscription-manager repos --enable codeready-builder-for-rhel-9-$(arch)-rpms

dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-9.noarch.rpm

yum update
```

3. Install Docker on the Docker host:

```
yum install docker
```

4. Run MySQL container with the following command:

```
docker run -d --name mysql1 -e MYSQL_ROOT_PASSWORD=sanjay -e      MYSQL_DATABASE=sanjay mysql
```

5. Run WordPress container with the following command. Replace <database ip> with the IP address of your database container:

```
docker run -d -e WORDPRESS_DB_HOST=<database ip> -e WORDPRESS_DB_USER=root -e WORDPRESS_DB_PASSWORD=sanjay -e WORDPRESS_DB_NAME=sanjay --network host wordpress
```

6. Install HAProxy on the other server:

```
yum install haproxy
```

7. Map your domain name to the IP address of your HAProxy server.

8. Install certbot for SSL certificate:

```
yum install certbot
```

9. Obtain a certificate for your domain. Replace <your domain> with your domain name:

```
certbot certonly --standalone -d <your domain>        example:

certbot certonly --standalone -d wordpress.sanjayy.online
```

10. Merge haproxy.pem and fullchain.pem files. Replace <your domain> with your domain:

```
cat /etc/letsencrypt/live/<your domain>/fullchain.pem /etc/letsencrypt/live/<your domain>/privkey.pem > /etc/letsencrypt/live/<your domain>/haproxy.pem      example

 cat /etc/letsencrypt/live/wordpress.sanjayy.online/fullchain.pem /etc/letsencrypt/live/wordpress.sanjayy.online/privkey.pem > /etc/letsencrypt/live/wordpress.sanjayy.online/haproxy.pem
```

11. Open /etc/haproxy/haproxy.cfg file and remove entries likes frontend, backend and static backend . Then, make entries like below. Replace the IP in the backend section with the IP of your Docker host machine:

code:

frontend sanjayfront

    bind *:80

    bind *:443 ssl crt /etc/letsencrypt/live/<your domain>/haproxy.pem

    http-request redirect scheme https unless { ssl_fc }

    default_backend sanjay

backend sanjay

    balance roundrobin

    server app11 <docker host IP>:80 check

```
frontend sanjayfront
    bind *:80
    bind *:443 ssl crt /etc/letsencrypt/live/wordpress.sanjayy.online/haproxy.pem
    http-request redirect scheme https unless { ssl_fc }
    default_backend          sanjay

#---------------------------------------------------------------
# static backend for serving up images, stylesheets and such
#---------------------------------------------------------------
#---------------------------------------------------------------
# round robin balancing between the various backends
#---------------------------------------------------------------
backend sanjay
    balance      roundrobin
    server  app11 3.111.30.117:80 check
```
12. Restart HAProxy service:

    systemctl restart haproxy

These steps should help you set up a WordPress site with MySQL database running on Docker, and HAProxy serving as a reverse proxy with SSL termination. Make sure to replace placeholders like <your domain> and <database ip> with your actual values.