```bash
# Update package list
sudo apt-get update -y

# Install Docker
sudo apt-get install docker.io -y

# Enable and start Docker service
sudo systemctl enable docker
sudo systemctl start docker

# Give current user permission to run Docker commands (requires logout/login)
sudo usermod -aG docker $USER

# Pull and run RabbitMQ container with management UI
sudo docker run -d \
  --hostname rabbitmq-host \
  --name rabbitmq-container \
  -e RABBITMQ_DEFAULT_USER=admin \
  -e RABBITMQ_DEFAULT_PASS=admin123 \
  -p 5672:5672 \
  -p 15672:15672 \   rabbitmq:3-management
```

#Deployment of services and frontend

1. To Connect your ubuntu on local terminal
   ➢ ssh -i 'your .pem file' ubuntu@your_public_ip_address

2. To Update your ubuntu

//First run this

=> sudo apt update

//And then run this

⇨ sudo apt upgrade

3.Install Node.js in your ubuntu machine

=> curl -fsSL https://deb.nodesource.com/setup_20.x | sudo -E bash -

//And then run this

⇨ sudo apt-get install -y nodejs

4. To Create .env file
⇨ vim .env

   // After this
   Copy everything from your .env file, paste it into the Ubuntu
   terminal, then press Ctrl + C.
   After that, type :wq to save the file.

5. To Edit any file

=> vim filename

Basic Vim Commands:

- Press `i` → Enter **insert mode** (to edit text)
- Press `ESC` → Exit insert mode
- Type `:wq` → **Save and exit**
- Type `:q!` → **Exit without saving**

6. Setup to run ec2 instance after closing terminal
⇨ sudo npm install -g pm2

   // and after this run
⇨ pm2 start "your file path" --name "my-node-app"

#Frontend setup

1. Copy the zip to your EC2 instance

> scp -i "chatapp.pem" frontend.zip ubuntu@your-ec2-ip:/home/ubuntu

> sudo apt install unzip -y – To install unzip in your ubuntu machine

> unzip frontend.zip -d frontend

> cd frontend

> pm2 start npm --name "frontend" -- run start