Create EC2-instance and setup the environment

1. SSH to EC2 instance
   1. ssh -i ~/.ssh/mlops.pem ubuntu@publickey
2. Create and update config file (to directly do ssh public key)
   1. touch config
   2. Host mlops-zoomcamp

HostName <publickey>

User ubuntu

IdentifyFile c:/Users/athiq.ahmed/.ssh/mlops.pem

StrictHostKeyChecking no

1. Download python from anaconda
   1. Wget <https://repo.anaconda.com/archive/Anaconda3-2022.05-Linux-x86_64.sh>
   2. Bash <Anaconda file>
2. Download docker
   1. Sudo apt update
   2. Sudo apt install docker.io
3. Download docker compose
   1. Wget <https://github.com/docker/compose/releases/download/v2.5.1/docker-compose-linux-x86_64> -O docker-compose
   2. Accessible docker-compose via any folder  
      Nano .bash  
      At the end of the file enter export PATH=”${HOME}/soft:${PATH}”  
      Chmod +x docker-compose  
      Source .bashrc  
      less .bashrc # to see the contents at the end
4. Add user to docker group (to avoid typing sudo everytime)
   1. sudo groupadd docker
   2. sudo usermod -aG docker $USER
   3. Log out and log back in
   4. docker run hello-world
5. git clone the repo
   1. git clone https://github.com/DataTalksClub/mlops-zoomcamp.git
6. Access to visual studio code
   1. Install remote-ssh extension
   2. At the bottom left click on open remote window – connect to a host (choose the host)
7. Open jupyter notebook
   1. Mkdir notebooks
   2. Cd notebooks
   3. Type jupyter notebook
   4. Port forwarding to connect to remote machine jupyter notebook