

# Containerize the App

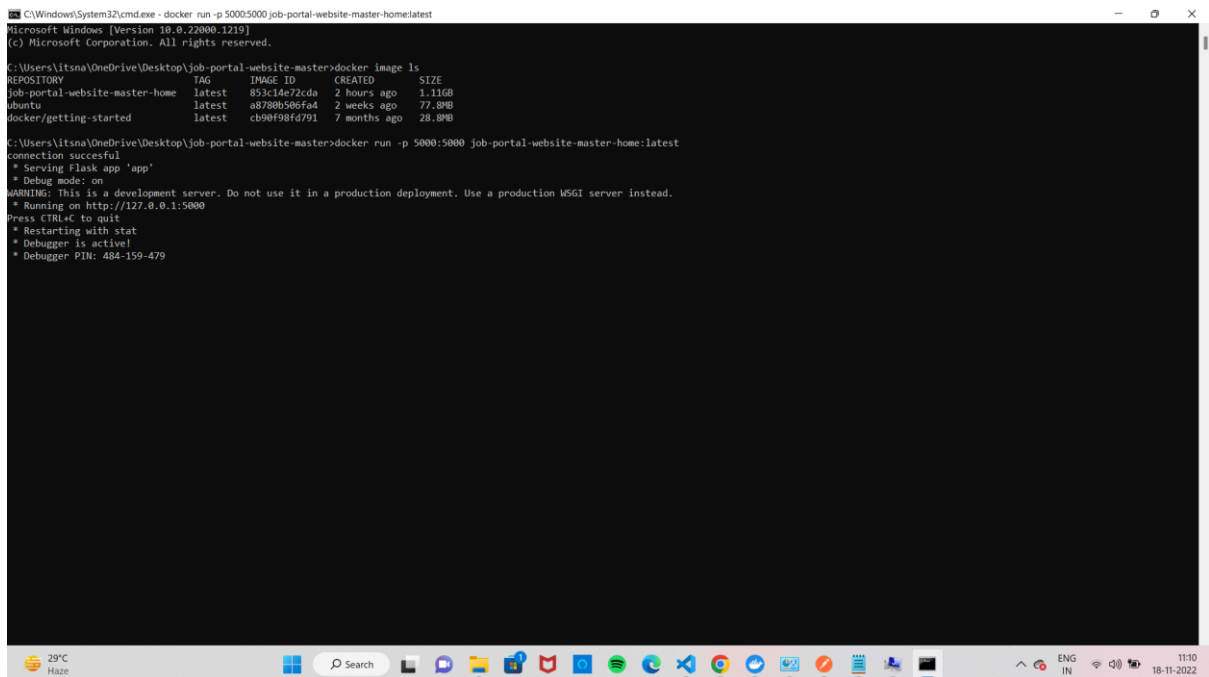
Date	15 November 2022
Team ID	PNT2022TMID427168
Project	Skill/Job Recommender Application

## Dockerfile code:

```
FROM python:3.10.6-alpine3.16
WORKDIR /app
COPY . .
RUN pip install -r requirements.txt
ENTRYPOINT [ "python" ]
CMD [ "app.py" ]
```

## Build an image from the Dockerfile:

Open the terminal and type this command to build an image from your Dockerfile: `docker build -t : .` (note the period to indicate we're in our apps top level directory). For example: `docker build -t app:latest`



```
C:\Windows\System32\cmd.exe - docker run -p 5000:5000 job-portal-website-master-home:latest
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\litsna\OneDrive\Desktop\job-portal-website-master>docker image ls
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
job-portal-website-master-home   latest      853c14e72cda  2 hours ago  1.11GB
ubuntu               latest      a8780b506fa4  2 weeks ago  77.8MB
docker/getting-started latest      cb90f98fd791  7 months ago  28.8MB

C:\Users\litsna\OneDrive\Desktop\job-portal-website-master>docker run -p 5000:5000 job-portal-website-master-home:latest
connection successful
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 484-159-479
```

```
Command Prompt

IBMCLLOUD_HTTP_TIMEOUT=5          A time limit for HTTP requests
IBMCLLOUD_API_KEY=api_key_value   API Key used for login
IBMCLLOUD_CR_VPC_URL=url_value     The custom server URL to use when obtaining an instance identity token and IAM token as a VPC VSI compute resource. This value will replace the default server endpoint of the VPC VSI instance identity token service.
IBMCLLOUD_CR_TOKEN=cr_token_value Compute resource token used for login. Can either be a token string or a path to a @file.
IBMCLLOUD_CR_PROFILE=profile_value The name, ID, or CRN of the linked trusted IAM profile to be used when obtaining the IAM access token. If authenticating as a VPC VSI compute resource, only specifying a trusted profile CRN or ID is supported.
IBMCLLOUD_TRACE=true              Print API request diagnostics to stdout
IBMCLLOUD_TRACE=path/to/trace.log Append API request diagnostics to a log file
IBMCLLOUD_HOME=path/to/dir        Path to config directory

GLOBAL OPTIONS:
--version, -v                      Print the version
--help, -h                         Show help

C:\Users\itsna>h
'h' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\itsna>--help, -h
'--help' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\itsna>curl -LO https://storage.googleapis.com/kubernetes-release/release/v1.7.0/bin/windows/amd64/kubectl.exe
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 69.3M  100 69.3M    0  5593k      0  0:00:12  0:00:12 --:--:-- 7390k

C:\Users\itsna>
```