

Containerize The App

Team ID	PNT2022TMID29859
Project Name	Skill and job recommender application

DOCKER PUSH:

```
C:\Users\Vijay R\Desktop\Ibm_project>docker image build -t skill-job-reco .
[+] Building 114.6s (10/10) FINISHED
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 184B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/python:3.10.6                 3.0s
=> [1/5] FROM docker.io/library/python:3.10.6@sha256:745efdfb7e4aac9a8422bd8c62d8bc35a693e8979a240d29677cb03e6aa 0.0s
=> [internal] load build context                                                  0.1s
=> => transferring context: 1.65MB                                                0.1s
=> CACHED [2/5] WORKDIR /app                                                      0.0s
=> [3/5] COPY requirements.txt ./                                                 0.1s
=> [4/5] RUN pip install -r requirements.txt                                     109.6s
=> [5/5] COPY . .                                                                0.1s
=> exporting to image                                                            1.5s
=> => exporting layers                                                            1.5s
=> => writing image sha256:3d80615f0066ab5e1be7d97c0b68096feb806e2eed138b6c4b3bea627cc2169b 0.0s
=> => naming to docker.io/library/skill-job-reco                               0.0s

C:\Users\Vijay R\Desktop\Ibm_project>
```

CONTAINERIZING THE APPLICATION:

Docker Desktop

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Containers

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Only show running containers

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	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	jolly_herschel 03af84dab956	hubproxy.docker.internal:5000/docker/desktop_kubernetes/kubernetes:v1.25.2	Created			<div>▶ ⋮ 🗑</div>
<input type="checkbox"/>	flask-demo b1705817c7bf	skill-job-recordeatest	Exited	5000:5000		<div>▶ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_kube-scheduler-docker-desktop_kube-system_3744c28618b9eefc6c7894685b56c9	k8s.gcr.io/pause:3.8	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_kube-controller-manager-docker-desktop_kube-system_6c75172049456756e58e43	k8s.gcr.io/pause:3.8	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_kube-apiserver-docker-desktop_kube-system_8e9132c31407bb3ec5fbca8561a9ff4	k8s.gcr.io/pause:3.8	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_etcd-docker-desktop_kube-system_c4a48fe4cae9bb9e6d7e0653576cf011d3f158b6	k8s.gcr.io/pause:3.8	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_kube-controller-manager_kube-controller-manager-docker-desktop_kube-system_ebaca14e71e6	k8s.gcr.io/kube-controller-manager:v1.25.2	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_etcd_etcd-docker-desktop_kube-system_c4a48fe4cae9bb9e6d7e0653576cf011d3f158b6	k8s.gcr.io/etcd:3.5.4-0	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_kube-scheduler_kube-scheduler-docker-desktop_kube-system_3744c286183d6519daa23	k8s.gcr.io/kube-scheduler:v1.25.2	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_kube-apiserver_kube-apiserver-docker-desktop_kube-system_8e9132c31407bb3ec5fbca8561a9ff4	k8s.gcr.io/kube-apiserver:v1.25.2	Running		37 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_flask-app-7cdb8bb87d-vlb4_default_22259719-33d3-41e7-b17c-32f9f0778291ad1d9	k8s.gcr.io/pause:3.8	Running		31 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_flask-app-7cdb8bb87d-fbl2n_default_b2989852-9df4-42c4-9314-16ba60a346c1a30d	k8s.gcr.io/pause:3.8	Running		31 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_coredns-95db45d46-grqsr_kube-system_786ab995-dbc0-4a79-98b8-3de336f7b7914	k8s.gcr.io/pause:3.8	Running		30 seconds ago	<div>■ ⋮ 🗑</div>
<input type="checkbox"/>	k8s_POD_dashboard-metrics-erraner-64hcc679c-rh6th_kubernetes-dashboard					<div>■ ⋮ 🗑</div>

Showing 27 items

RAM 3.37GB

CPU 5.03%

Not connected to Hub

v4.14.1

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Upgrade plan

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In use only

NAME	TAG	IMAGE ID	CREATED	SIZE
docker/desktop-storage-provisioner	IN USEv2.0	99f89471f470	over 1 year ago	41.85 MB
docker/desktop-vpnkit-controller	IN USEv2.0	8c2c38aa676e	over 1 year ago	21.03 MB
hubproxy.docker.internal:5000/docker/d...	IN USEkubernetes-v1.25.2-cni-v1.1.1-crit...	09d7e1dbc2c4	about 2 months ago	363.32 MB
icr.io/skill-job/recommender	IN USElatest	49796283d800	1 day ago	1.12 GB
jp.icr.io/finalphase/final	latest	96b77078153e	1 day ago	1.12 GB
jp.icr.io/flask-app/docker/getting started...	latest	96b77078153e	1 day ago	1.12 GB
jp.icr.io/flask-app/skill-job	latest	1cedb0844535	1 day ago	903.9 MB
jp.icr.io/flask/skill-job	latest	96b77078153e	1 day ago	1.12 GB
jp.icr.io/bmtraining/flask-app	latest	96b77078153e	1 day ago	1.12 GB
jp.icr.io/skill-job/finalphase	latest	96b77078153e	1 day ago	1.12 GB
k8s.gcr.io/coredns	IN USEv1.9.3	5185b96f0bec	6 months ago	48.8 MB
k8s.gcr.io/etcd	IN USE3.5.4-0	a8a176a5d5d6	6 months ago	299.52 MB

Connect to Remote Content

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RAM 3.38GB

CPU 1.81%

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v4.14.1