

CONTAINERIZE THE APP

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Project Name Project – PERSONAL EXPENSE TRACKER APPLICATION

The screenshot shows the Docker Desktop interface. On the left, the 'Containers' tab is active, displaying a list of containers. The 'webpage' container, owned by 'mohansai2008/personalexense', is in a 'RUNNING' state. Below the container list, the 'Environment' tab is selected, showing a table of environment variables. The variables include PATH, LANG, GPG_KEY, PYTHON_VERSION, PYTHON_PIP_VERSION, PYTHON_GET_PIP_URL, PYTHON_GET_PIP_SHA256, and Port. The Port is set to 5000/tcp. At the bottom, the system status shows RAM usage at 2.84GB and CPU usage at 0.07%.

Variable	Value
PATH	/usr/local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
LANG	C.UTF-8
GPG_KEY	E3FF2839C048B25C084DEBE9B26995E310250568
PYTHON_VERSION	3.9.5
PYTHON_PIP_VERSION	21.1.3
PYTHON_GET_PIP_URL	https://github.com/pypa/get-pip/raw/a1675ab6c2bd898ed82b1f58c486097f763c74a9/public/get-pip.py
PYTHON_GET_PIP_SHA256	666565924129262147b58922b9ffe11dda66b39d52d8a6f3aa310bc1d60ea6f7
Port	5000/tcp

The screenshot shows a Windows Command Prompt window with the following output:

```
C:\Users\ompra\OneDrive\Desktop>docker build -t mohansai2008/personalexense .
[+] Building 172.8s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 32B
=> [internal] load .dockerignore
=> transferring context: 2B
=> [internal] load metadata for docker.io/library/python:3.9.5
=> [internal] load build context
=> transferring context: 899B
=> [1/5] FROM docker.io/library/python:3.9.5@sha256:2ff7f45e91d65fc36bee74e48692a5b1877c973a040ed2468aef4223edf9ccac
=> resolve docker.io/library/python:3.9.5@sha256:2ff7f45e91d65fc36bee74e48692a5b1877c973a040ed2468aef4223edf9ccac
=> sha256:5397e0a0677c214b0db0efec9c8ec407e0a0f60715a7db1326e6b8c2b3fd37 2.22kB / 2.22kB
=> sha256:a10e58716600c199fc95f633b30735c33a25b5adcfb16d17edcb78a3f1b62 7.83MB / 7.83MB
=> sha256:2ff7f45e91d65fc36bee74e48692a5b1877c973a040ed2468aef4223edf9ccac 2.36kB / 2.36kB
=> sha256:9b0d330df02b60939072b19a42eedf31064bc32ae642d4fca7468778421c787 8.35kB / 8.35kB
=> sha256:0bc302d05f1e08b41f1c5d54650a157b1690cde7fedb1fafbc9cda70ee2ec5c 50.44MB / 50.44MB
=> sha256:83d3c0fa203acbadef73bfb627daa75b84c97f9d0553bcd9b7a3f1d37471277 10.00MB / 10.00MB
=> sha256:a8fd09c11b021b756b7a92a4f70a3d444ce7e631c24e5749d236dc2c6e68514 51.84MB / 51.84MB
=> sha256:14feb89c4a52c44f097e23b46ebb76e1c25c4b2915e39e56a3a8634c74becda46 192.39MB / 192.39MB
=> sha256:70752631d778db8afca417df9478b1db077e659a5b59a4c33ad1ff28e18f1d3 6.15MB / 6.15MB
=> extracting sha256:0bc302d05f1e08b41f1c5d54650a157b1690cde7fedb1fafbc9cda70ee2ec5c 1.5s
=> extracting sha256:a10e58716600c199fc95f633b30735c33a25b5adcfb16d17edcb78a3f1b62 0.2s
=> extracting sha256:83d3c0fa203acbadef73bfb627daa75b84c97f9d0553bcd9b7a3f1d37471277 0.2s
=> sha256:b4cfce19326dc8417726fb6627b63c648260288847e76ff34ca10e74a606fb 19.19MB / 19.19MB
=> extracting sha256:a8fd09c11b021b756b7a92a4f70a3d444ce7e631c24e5749d236dc2c6e68514 1.6s
=> sha256:b51fbc03c35e668c16ec4ebba99347e209525c623b21ac91d441bc82311f139 233B / 233B
=> sha256:b6ea5759bfc9cc167aad37696c82809632ace9c390d4424c919b8e6a71e9021 2.35MB / 2.35MB
=> extracting sha256:70752631d778db8afca417df9478b1db077e659a5b59a4c33ad1ff28e18f1d3 4.2s
=> extracting sha256:14feb89c4a52c44f097e23b46ebb76e1c25c4b2915e39e56a3a8634c74becda46 0.2s
=> extracting sha256:b4cfce19326dc8417726fb6627b63c648260288847e76ff34ca10e74a606fb 0.5s
=> extracting sha256:b51fbc03c35e668c16ec4ebba99347e209525c623b21ac91d441bc82311f139 0.0s
=> extracting sha256:b6ea5759bfc9cc167aad37696c82809632ace9c390d4424c919b8e6a71e9021 0.1s
[2/5] WORKDIR /app
=> [3/5] COPY requirements.txt ./
=> [4/5] RUN pip install -r requirements.txt
=> [5/5] COPY . .
=> exporting to image
=> exporting layers
=> writing image sha256:3a8e14103bf840081ccccbf8150fce6af4d89c701a6fa4182942f049e5e96d0
=> naming to docker.io/mohansai2008/personalexense

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\ompra\OneDrive\Desktop>test
```

