**Docker Cheatsheet (Core Commands)**

#### ****Basic Commands****

docker version # Show Docker version installed

docker info # Show detailed Docker system info

docker help # Display all Docker commands

#### 🔹 ****Images****

docker pull IMAGE # Pull image from Docker Hub

docker images # List all local images

docker rmi IMAGE\_ID # Remove image by ID or name

docker build -t myimage . # Build image from Dockerfile in current dir

docker tag SRC TARGET # Rename or re-tag an image

docker save -o image.tar IMG # Save image as a tar archive

docker load -i image.tar # Load image from tar

#### 🔹 ****Containers****

docker run IMAGE # Run container from image

docker run -it IMAGE # Run interactively with terminal

docker run -d IMAGE # Run in background (detached)

docker run --name mycontainer IMG # Assign a name to the container

docker ps # Show running containers

docker ps -a # Show all (including stopped)

docker stop CONTAINER # Stop running container

docker start CONTAINER # Start a stopped container

docker restart CONTAINER # Restart container

docker rm CONTAINER # Remove container

docker exec -it CONTAINER # Access terminal inside container

docker logs CONTAINER # View container logs

docker inspect CONTAINER # Low-level info on container

docker rename old new # Rename a container

#### 🔹 ****Volumes****

docker volume create myvol # Create named volume

docker volume ls # List all volumes

docker volume inspect myvol # Detailed info on volume

docker volume rm myvol # Delete volume

docker run -v myvol:/data IMAGE # Mount volume

docker run -v $(pwd):/app IMAGE # Bind local directory

#### 🔹 ****Networking****

docker network ls # List Docker networks

docker network create mynet # Create custom network

docker network inspect mynet # Inspect network

docker run --network=mynet IMAGE # Run container in a network

docker network rm mynet # Remove a network

#### 🔹 ****Docker Compose****

docker compose up # Start all services

docker compose down # Stop and clean up

docker compose build # Rebuild services

docker compose ps # List running services

#### 🔹 ****Cleanup Commands****

docker system prune # Delete unused containers, images, networks

docker image prune # Remove unused images

docker container prune # Remove stopped containers

docker volume prune # Remove unused volumes

docker builder prune # Clear build cache