

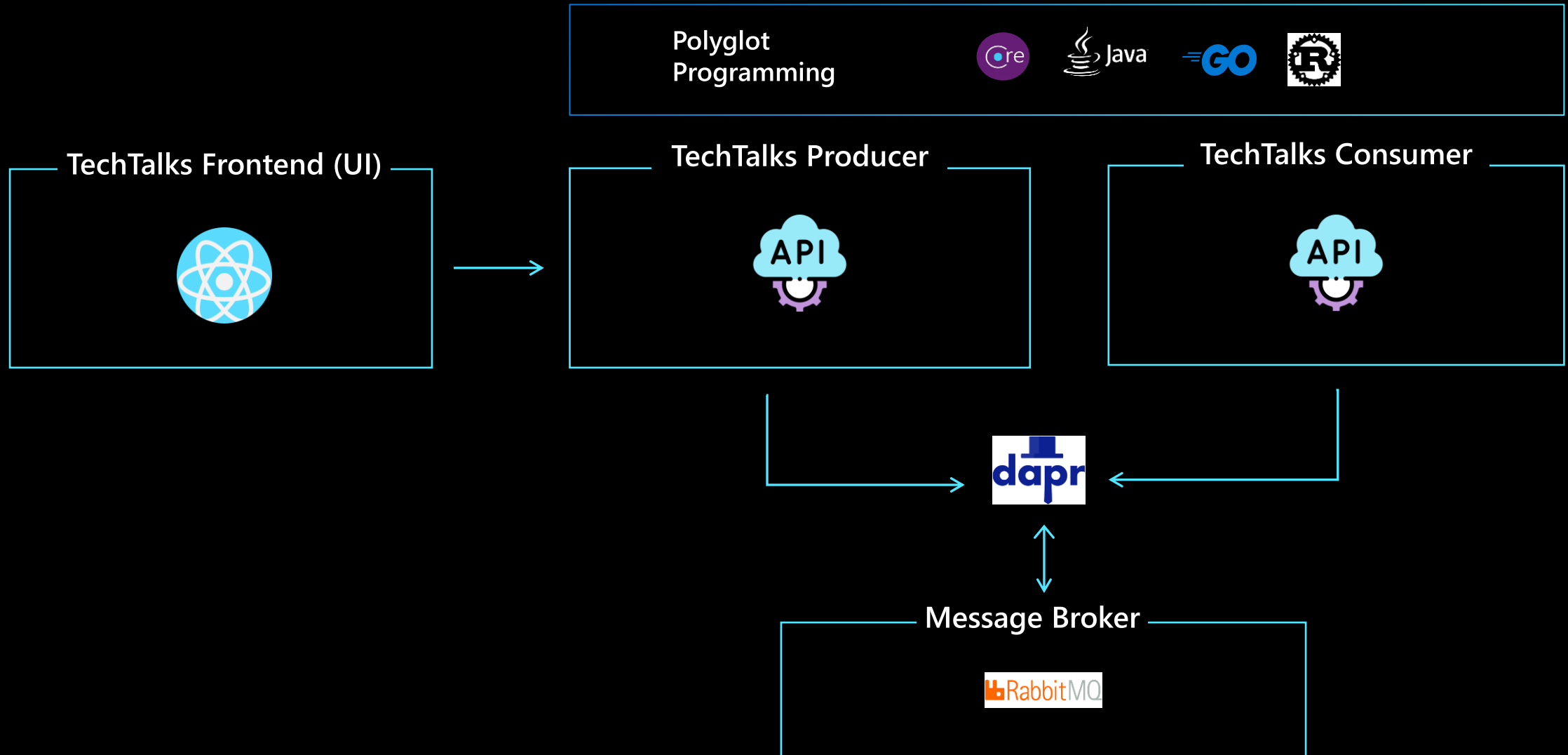
Cloud Native Ninja

Publish images to Container Registry

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TechTalks Application Architecture



Docker run

```
docker run --rm -it --hostname rabbitmq --name techtalks-rabbit -p 5672:5672 -p 15672:15672 rabbitmq:3-management
```

Docker run RabbitMQ

```
docker run -d --hostname rabbitmq `
--name techtalks-rabbit `
-p 5672:5672 `
-p 15672:15672 `
-e RABBITMQ_DEFAULT_USER=avatar `
-e RABBITMQ_DEFAULT_PASS=JamesBond007 `
rabbitmq:3-management
```

Docker build

```
docker build `
-f .\Dockerfile-v3-TechTalksProducer `
-t nileshgule/techtalksproducer:v3 .
```

```
docker build `
-f .\Dockerfile-TechTalksConsumer `
-t nileshgule/techtalksconsumer:dotnet .
```

Docker run

```
docker run --rm `
-it `
--name techtalksproducer `
-p 5000:80 `
-e ASPNETCORE_ENVIRONMENT=Development `
nileshgule/techtalksproducer:dotnet
```

```
docker run --rm `
-it `
--name techtalksconsumer `
-p 5001:80 `
-e ASPNETCORE_ENVIRONMENT=Development `
nileshgule/techtalksconsumer:dotnet
```

Docker Compose Commands

 **build**: builds services

 **up**: create and start containers

 **down**: stops and removes containers, networks

 **start**: start services

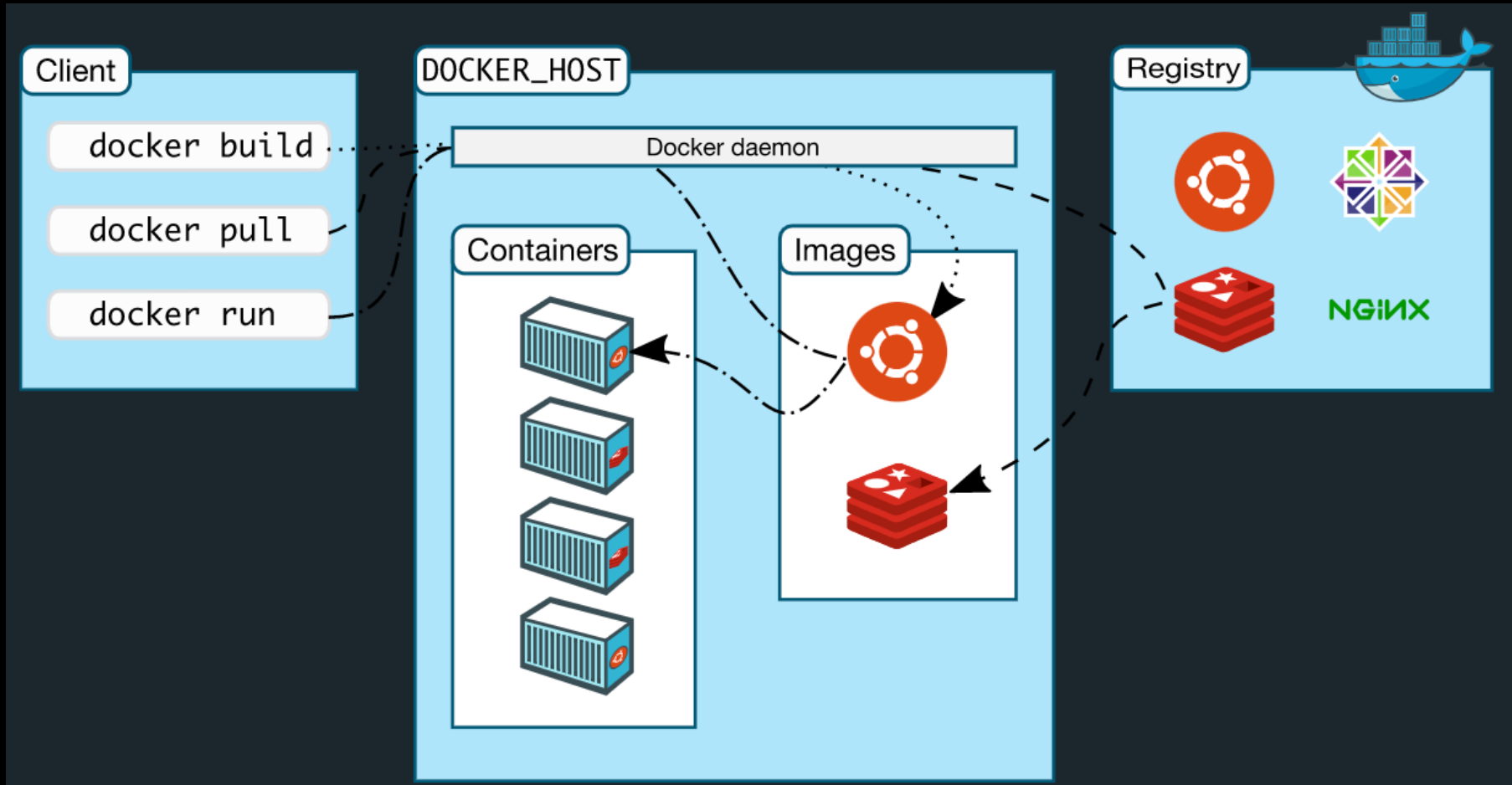
 **stop**: stop services

 **ps**: list containers

Commands:

build	Build or rebuild services
convert	Converts the compose file to platform's canonical format
cp	Copy files/folders between a service container and the local filesystem
create	Creates containers for a service.
down	Stop and remove containers, networks
events	Receive real time events from containers.
exec	Execute a command in a running container.
images	List images used by the created containers
kill	Force stop service containers.
logs	View output from containers
ls	List running compose projects
pause	Pause services
port	Print the public port for a port binding.
ps	List containers
pull	Pull service images
push	Push service images
restart	Restart service containers
rm	Removes stopped service containers
run	Run a one-off command on a service.
start	Start services
stop	Stop services
top	Display the running processes
unpause	Unpause services
up	Create and start containers
version	Show the Docker Compose version information

Docker Architecture



Publish container images

Docker push single image

```
docker push nileshgule/techtalksproducer:dotnet  
docker push nileshgule/techtalksconsumer:dotnet
```

Docker compose push multiple images

```
docker-compose -f docker-compose-dockerhub.yml push
```

Docker desktop

<input checked="" type="checkbox"/>	nileshgule/techtalksconsumer 7614550b3f1a	dotnet	Unused	14 minutes ago	111.3 MB	▶	⋮	
<input type="checkbox"/>	nileshgule/techtalksproducer 740b1aec61de	dotnet	Unused	15 minutes ago	113.74 MB	▶	⋮	
<input type="checkbox"/>	<none> 5f0d156309b8	<none>	Unused (dangl	about 5 hours ago	111.3 MB	▶	⋮	
<input type="checkbox"/>	<none>	<none>	Unused (dangl	about 5 hours ago	113.89 MB	▶	⋮	

View details
 Pull
 Push to Hub

Get started



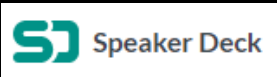
Cloud Native Ninja GitHub repo: <https://github.com/NileshGule/cloud-native-ninja>



Slides



Slideshare: <https://www.slideshare.net/nileshgule/>



Speaker Deck: <https://speakerdeck.com/nileshgule/>