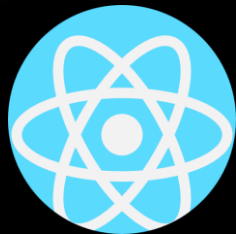


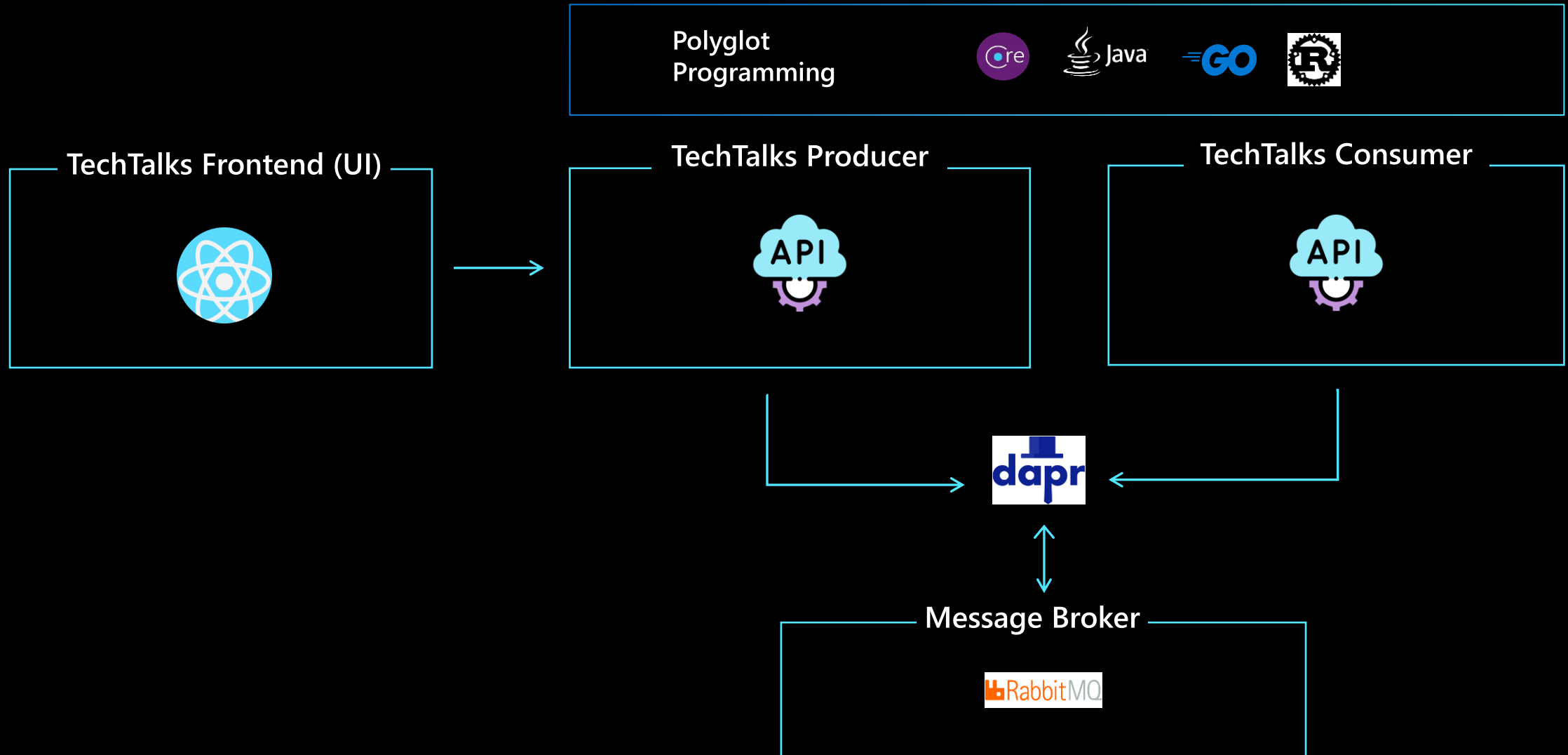
Cloud Native Ninja

Containerize React App

Nilesh Gule @nileshgule



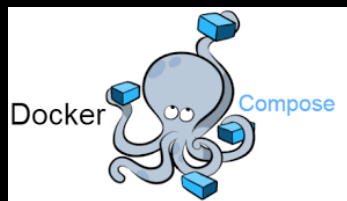
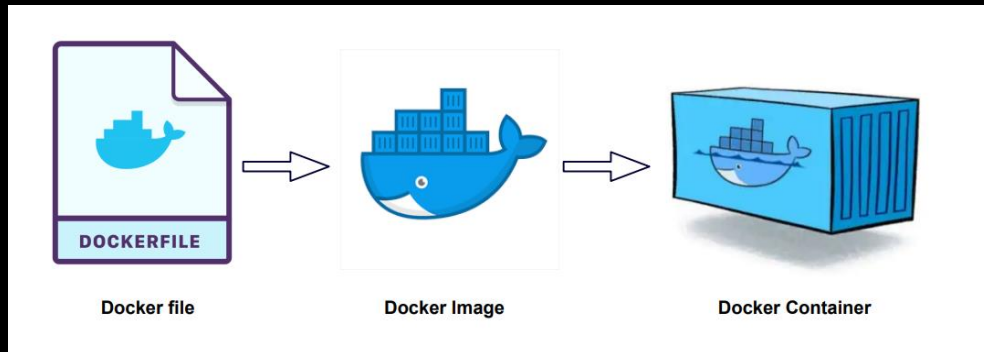
TechTalks Application Architecture



Multistage Docker file

```
1 FROM node:19-alpine AS build
2
3 WORKDIR /app
4
5 COPY package*.json ./
6
7 RUN npm install
8
9 COPY . .
10
11 RUN npm run build
12
13 FROM nginx:alpine-slim
14
15 COPY --from=build /app/build /usr/share/nginx/html
16
17 EXPOSE 80
18
19 CMD ["nginx", "-g", "daemon off;"]
```

Summary



- ✓ **Build** : Built React app using `npm` commands
- ✓ **Base images**: Used **Alpine based** base image for Node
- ✓ **Multistage Docker build**:
 - ✓ separate build using `node` base image and run stages using `nginx` base images
- ✓ **Docker Hub**: Publish container images

Containerize Apps Resources



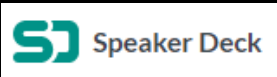
Cloud Native Ninja GitHub repo: <https://github.com/NileshGule/cloud-native-ninja>



Slides



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



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