

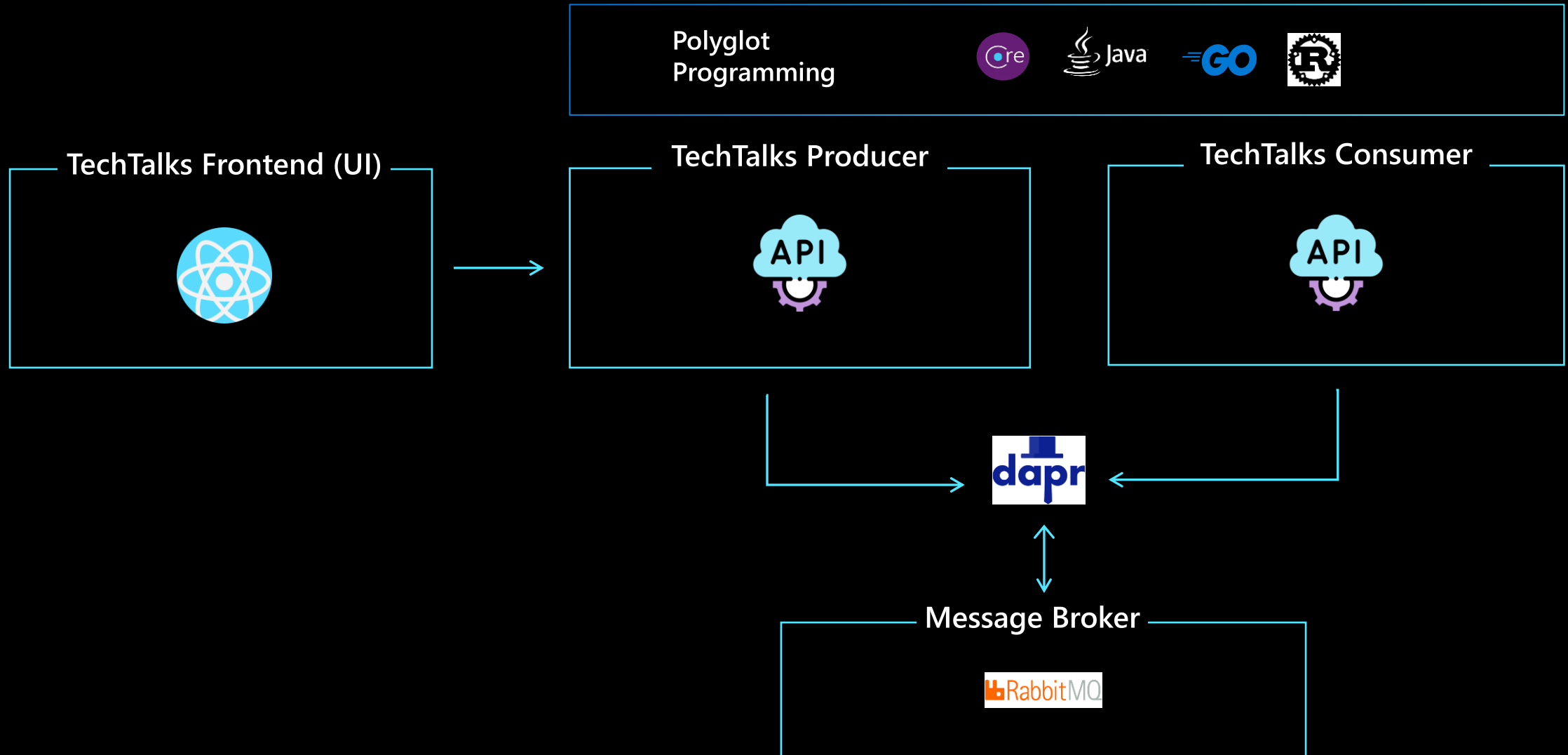
# Cloud Native Ninja

# Containerize Spring Boot Apps

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# TechTalks Application Architecture



# Multistage Docker file

```
FROM eclipse-temurin:17-jdk-alpine AS build

# Set the working directory
WORKDIR /app

# Copy the Maven dependencies
COPY pom.xml /app/pom.xml
COPY mvnw /app/mvnw
COPY .mvn /app/.mvn

# Copy the application files
COPY src /app/src

# Build the application
# RUN ./mvnw package -DskipTests
RUN --mount=type=cache,id=maven,target=/root/.m2 ./mvnw package -DskipTests

# Create the runtime image
FROM eclipse-temurin:17-jre-alpine

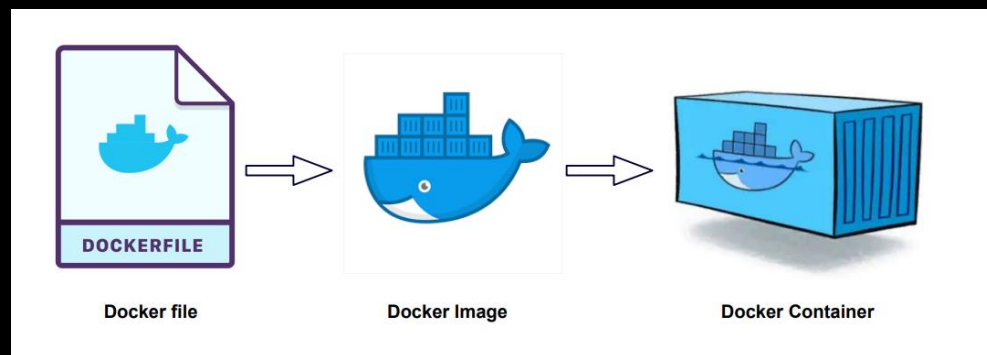
# Set the working directory
WORKDIR /app

# Copy the application files
COPY --from=build /app/target/techtalks-consumer-0.0.1-SNAPSHOT.jar TechTalksConsumer.jar

# Expose the application port
EXPOSE 8080

# Run the application
ENTRYPOINT ["java", "-jar", "TechTalksConsumer.jar"]
```

# Summary



- ✓ **Base images:** Used **Eclipse Temurin** base image for JDK and JRE
- ✓ **Multistage Docker build:**
  - ✓ separate build and run stages using different base images
  - ✓ cache build dependencies using the **mount cache** feature
- ✓ **Docker Hub:** Publish container images

# Containerize Apps Resources



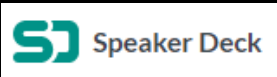
Cloud Native Ninja GitHub repo: <https://github.com/NileshGule/cloud-native-ninja>



## Slides



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



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