Building Startup Systems

Agenda

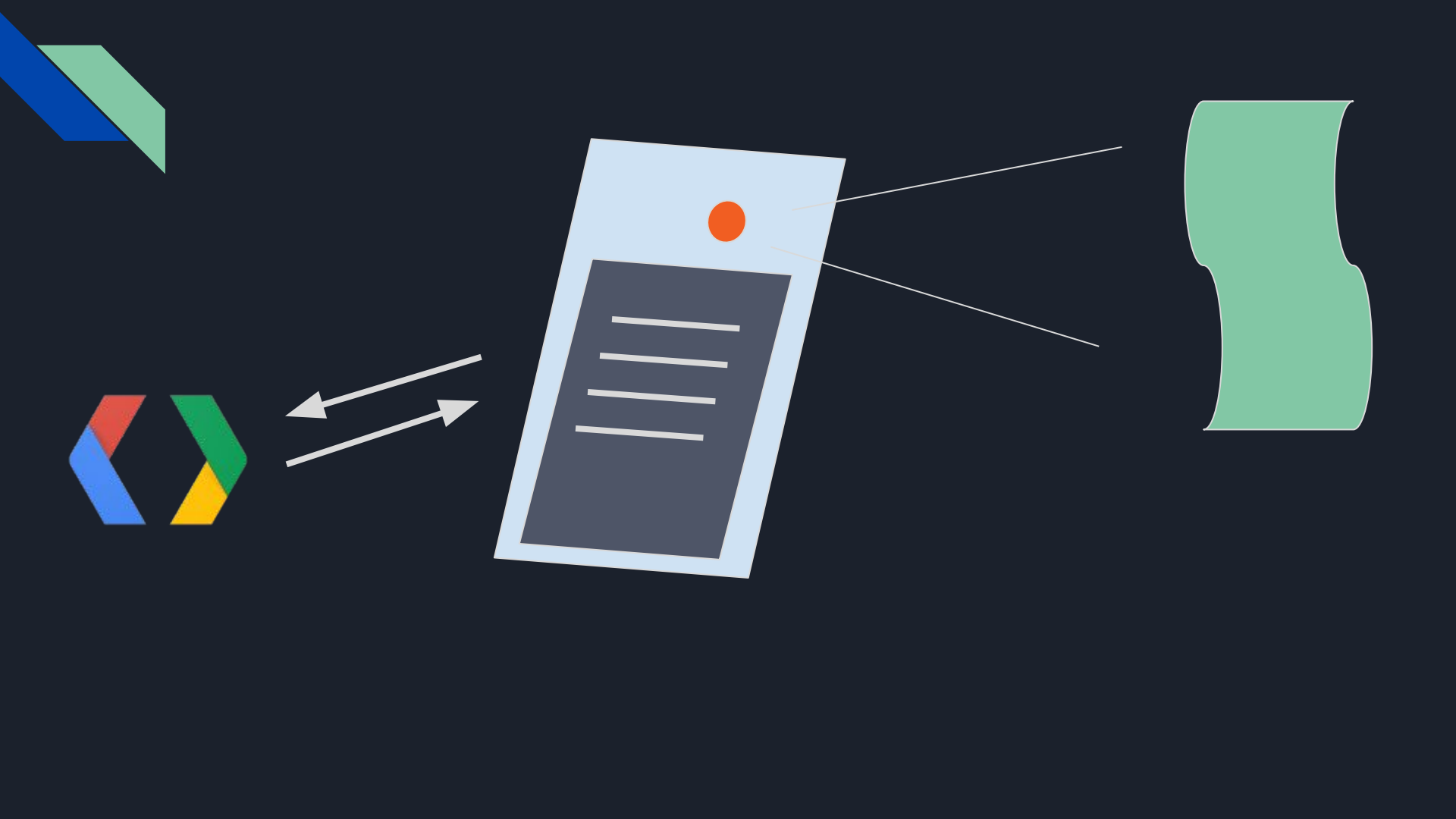
Scheduling update! No Class Wed Sep 13th. Extending to Sep 27th.

- Review
- Build some RESTful endpoints
- CircleCI
- Docker
- AWS ECS

Last Time

- Git setup
- RESTful design
- Cloned and ran the **skeleton** project

00. The Goal



01. Build a RESTful API

Backend Architecture

Backend Architecture

Backend Concepts

API Object
An class representing a structured JSON Request or Response

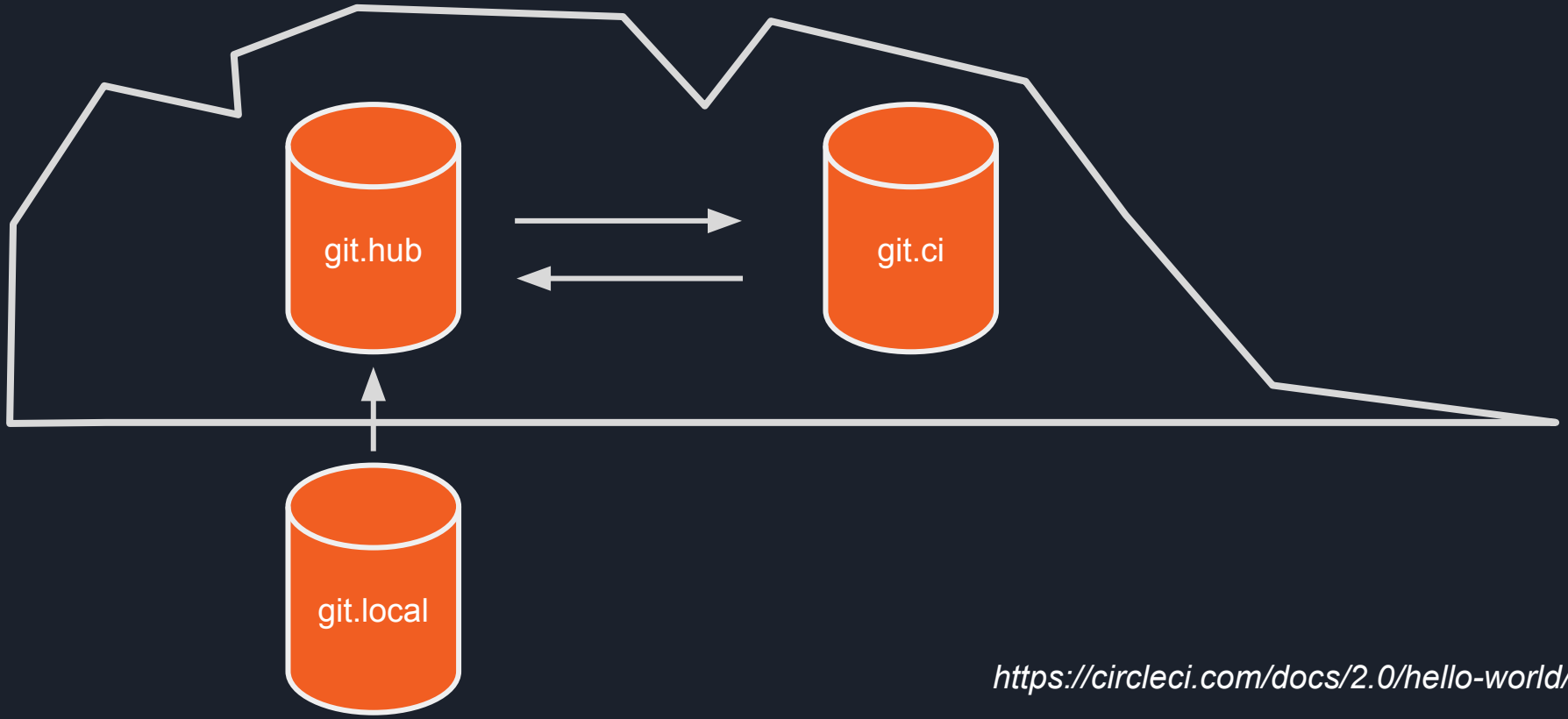
Controller
A class responsible for handling HTTP requests

DAO
A class responsible for serialization of data to Relational DB

JOOQ
A Java library providing an SQL-like DSL for manipulating data

02. Testing and CI

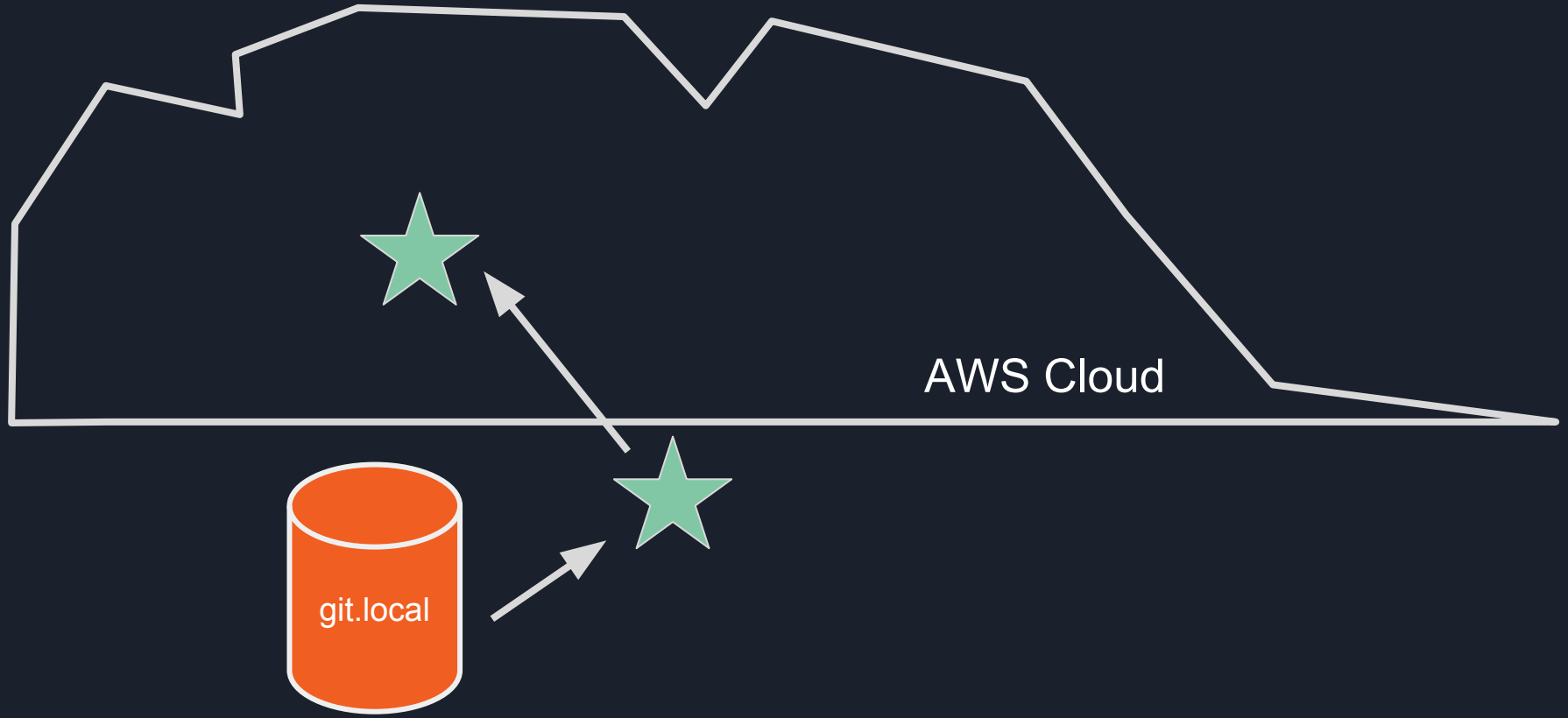
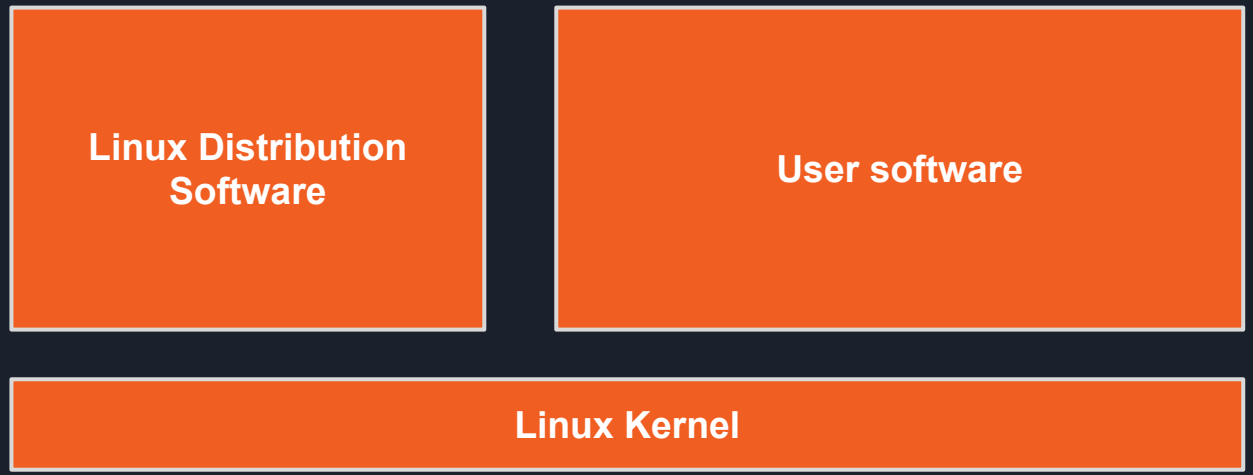
CircleCI Tests your Code



https://circleci.com/docs/2.0/hello-world/

03. Containers

Docker Images are a Deploy Artifact



An Image is an executable Linux + App code