Architecture

VR Train Search
Mobile App
(React Native)

VR API

(Fetch request, rata.digitraffic.fi/api/v1/train-locations/latest/) → VR Server (Train information, number)

Request →

Train data

Response (JSON) ←

← Response

rata.digitraffic.fi:443
MQTT

Subscribe →

VR Server (Train Location, number)

Subscribe →

MQTT BROKER

Publish ←

TRAIN

Publish ←

TRAIN

Publish ←

Publish (JSON response) ←

Publish ←

TRAIN

(OPTIONAL)

(Polling fetch request, setTimeout rata.digitraffic.fi/api/v1/train-locations/latest/) →

VR Server (Train information, location, number)

Request →

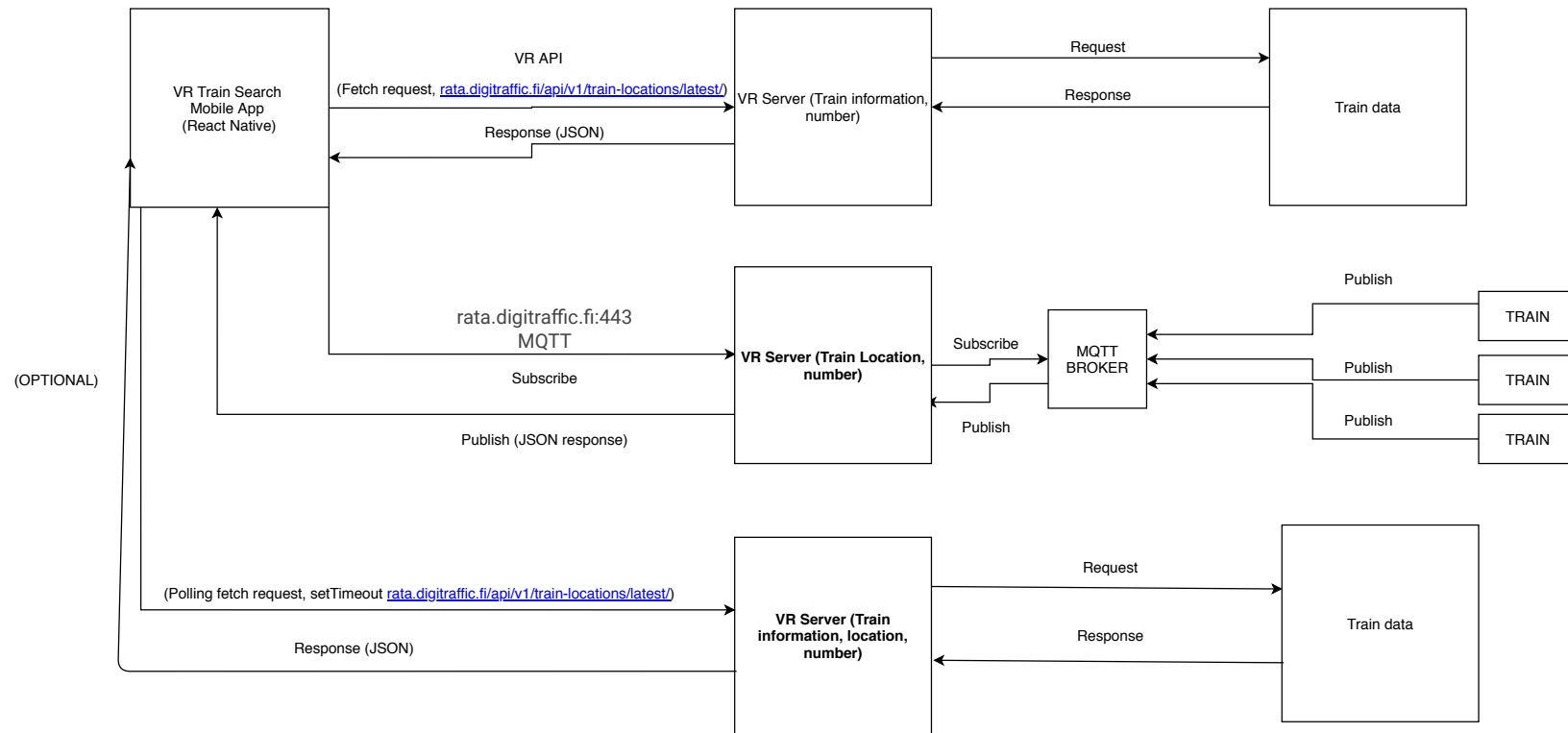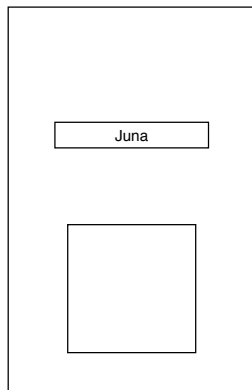Train data

Response (JSON) ←

← Response

Juna

Functions
Models
Styles

Aim to produce as much reusable code as possible