# MAKING TV APPS

## WITH METROLOGICAL APPLICATION FRAMEWORK

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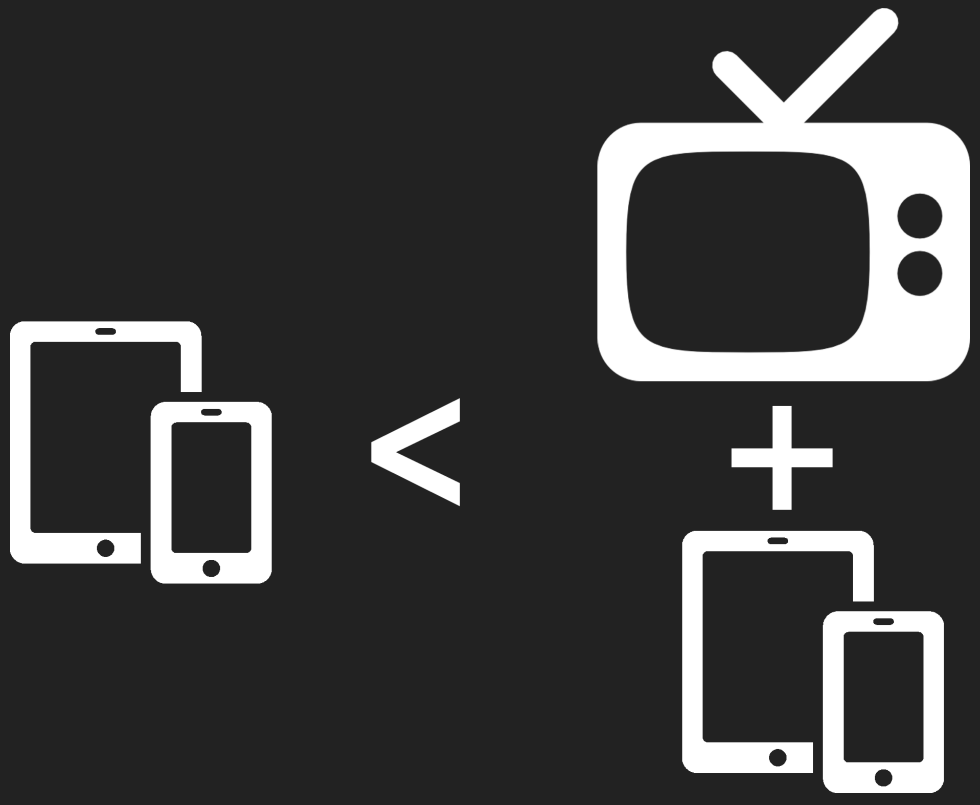
# HELLO.

My name is Trifon and I work @

as JavaScript developer.

# WHY MAKE TV APPS?

# BECAUSE:



# HOW WE MAKE TV APPS WITH JAVASCRIPT?

(There are a lot of options)

# WE USE...

# MAF

## (METROLOGICAL APPLICATION FRAMEWORK)

# MAF APPS AUDIENCE

## Expose your App to Millions of Customers

The TV App Store experience is currently available in the following European countries:

**The Netherlands:** Ziggo
7.0 million

**Germany:** Unitymedia Kabel BW
12.6 million

**Switzerland:** UPC-Cablecom
2.2 million

**Ireland:** UPC
858,000

**Hungary:** UPC
1.5 million

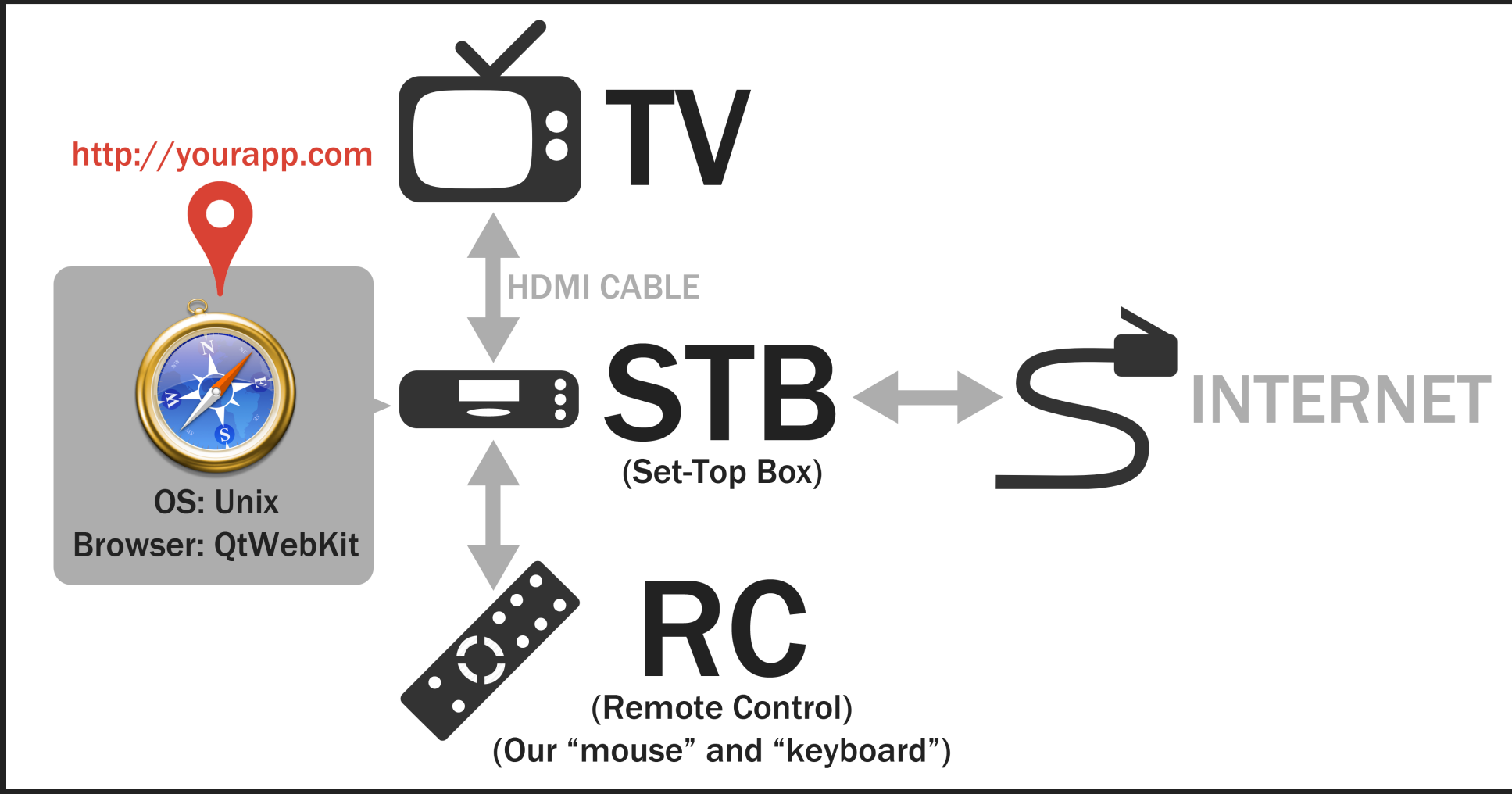
**Poland:** UPC
2.7 million

**Czech Republic:** UPC
1.4 million

**The Liberty Global TV App Store is an open ecosystem.**
**Anyone can develop and submit an App.**

To ensure Third party Apps are stable, reliable, have good performance, do not interfere with other Apps, functionalities and the user interface, and are free of explicit and offensive material Liberty Global will review all TV Apps that are submitted.

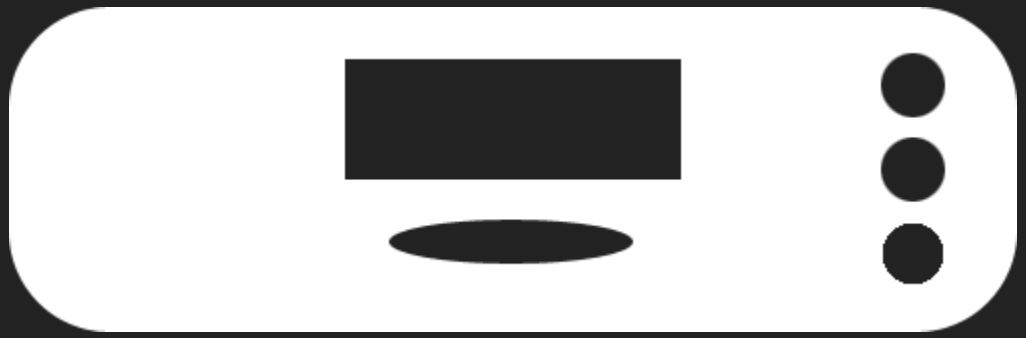
# HOW IT WORKS?


TV
http://yourapp.com
HDMI CABLE
STB
(Set-Top Box)
INTERNET
OS: Unix
Browser: QtWebKit
RC
(Remote Control)
(Our “mouse” and “keyboard”)

# IT'S JUST A WEB APP...

# BUT IT RUNS ON...

# THIS.



1 GB RAM

500 GB Flash Memory

NOTE: (New) devices have powerful GPU

(closer to RPi than to your game machine)

# LET'S START COOKING!

WHAT INGREDIENTS DO WE NEED?

+ BROWSER

+ SIMPLE TEXT EDITOR

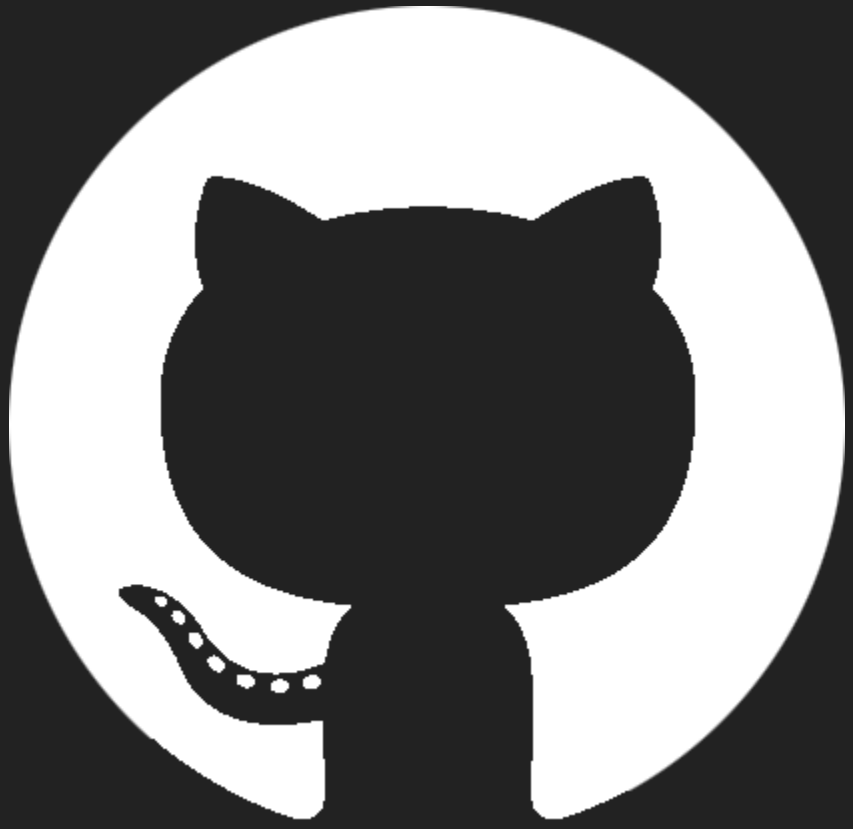
# THE ADVANCED SETUP

# + RPI (RASPBERRY PI)

(connect it to your TV via HDMI cable)

(control the RPi via the HDMI-CEC interface)

# CLONE THIS REPO:



MAF REPO

NPM INSTALL

NODE_PORT=8080 NODE SDK.JS

# CREATING AN APP

# (ALMOST) A WEB APP

Limited CSS (and it looks like JSON)

Performance concerns

# TYPICAL APP STRUCTURE

com.CompanyName.app.AppName
Contents
Images
Javascript
core
views
init.js
Localization
en-EU.strings
metadata.json

# WHERE DO I PUT THIS?

In MAF-SDK-FOLDER/apps/ folder.

# TESTING YOUR WORK

HTTP://LOCALHOST:8080

# OUT OF THE BOX

MAF.Room (WebSockets)

UI components

Views (it's kind of MVC)

Events

Localization

Services

Social network APIs

# IT'S TV AFTER ALL.

Change current channel

Info about current TV channel

# (PROBABLY) DEMO

# Q&A

# THE END