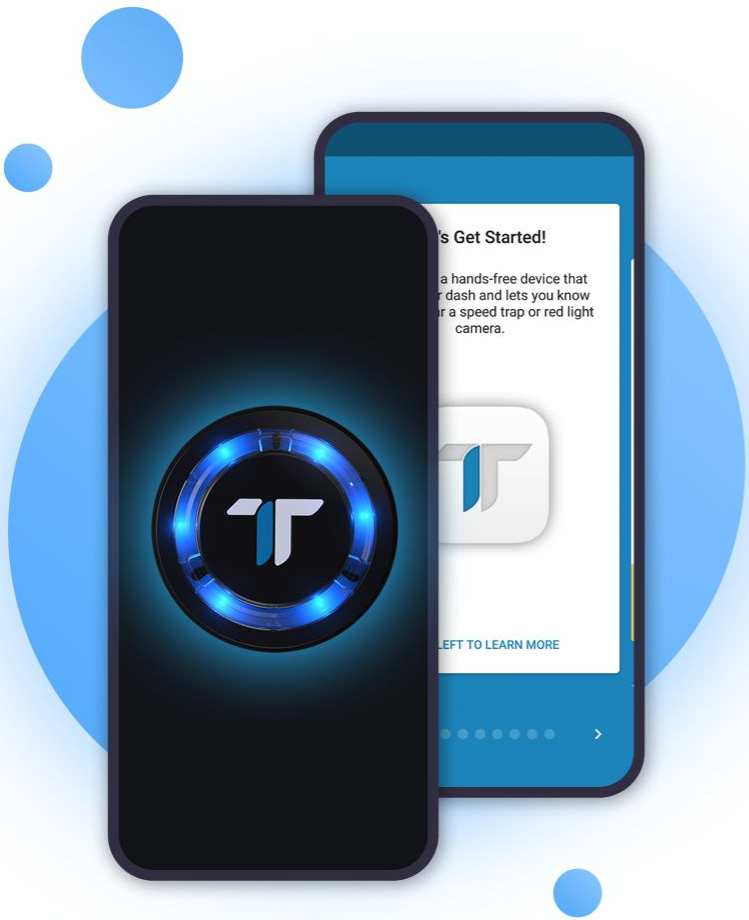


TrapTap

The World's Simplest Traffic Indicator with a successful Kickstarter campaign

Challenge

The project happened because of the unique problem that all four TrapTap creators had: there was no simple, cheap and legal way to avoid the speeding tickets. So, they created a distraction-free device that sits on a vehicle's dash. It maps areas with speed traps, school zones and red light cameras by using GPS and warns users of potential driving hazards.

Project Overview

To customize the alerts settings and check the statistics users should synchronize TrapTap with our app. The app collects and shows the average speed, travel distance and a number of hazards passed.

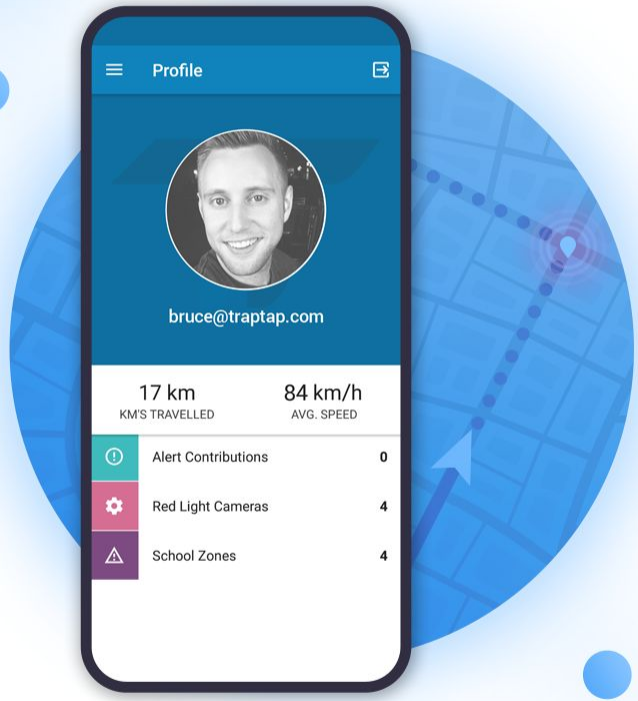
The MOC team worked on the project by using a feature-by-feature approach in a short phases. Each sprint lasted for 2 weeks. They comprised new feature development, location, database and battery usage optimization and provided workarounds for issues caused by different Bluetooth behaviours of various Android devices.

The project activity included:

Android app development

Quality Assurance

Customer and product support



What We Created

The app and the device work simultaneously with the Bluetooth, location and networking, which influence a phone battery a lot. Also, we had some Bluetooth issues caused by different vendors' smartphone peculiarities. We solved those issues by fixing the RxAndroidBle library.

DURATION	TEAM SIZE	PLATFORM	INDUSTRY	WEBSITE
12 month	10 people	Android	IoT	traptap.com

TECHNOLOGY STACK

NETWORKING
Retrofit2 · OkHttp3

DB
Realm

DI
Dagger2

TEST TOOLS
JUnit4

COMMUNICATION
RxAndroidBle

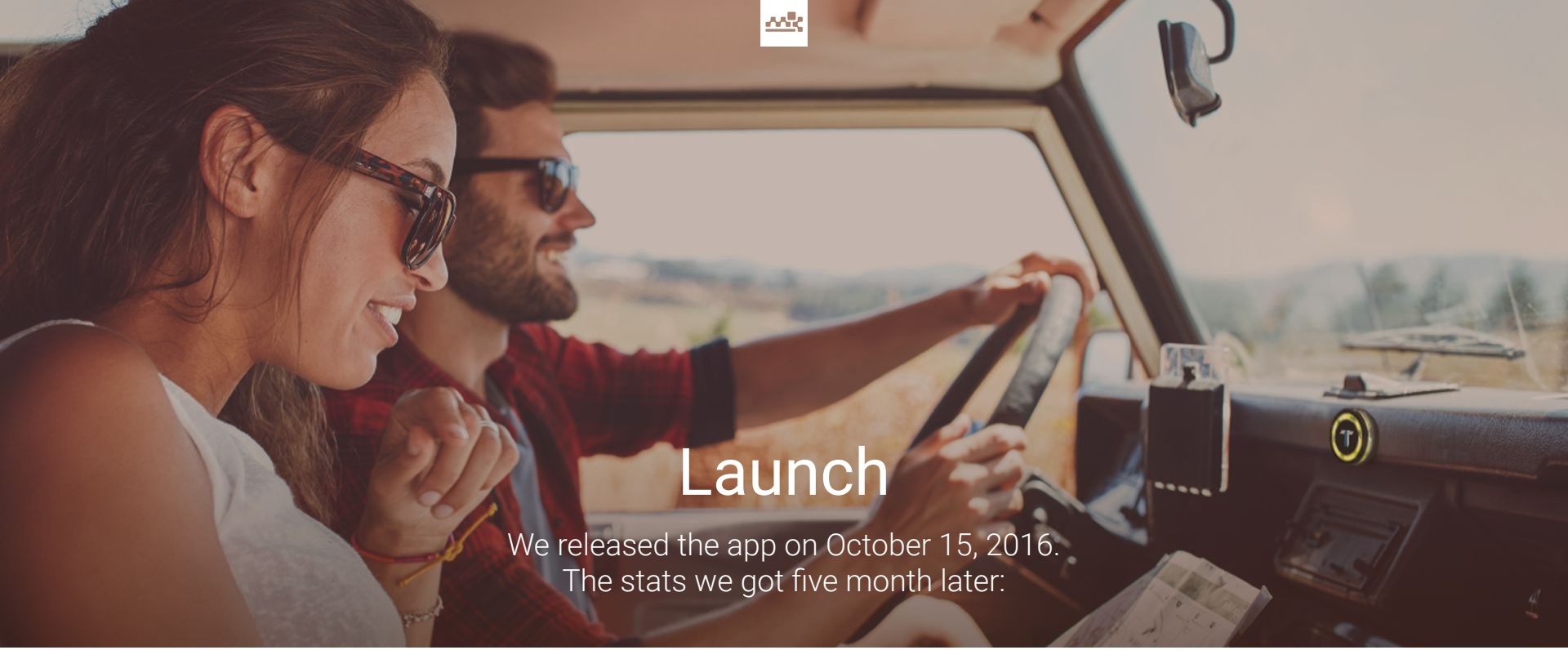
ACCOUNTING
AWS Congnito

THREADING
RxJava

CRASH ANALYTICS
Crashlytics

CUSTOMER SUPPORT
Intercom

DEBUGGING TOOLS
Stetho · Stetho-Realm · Ok2Curl



Launch

We released the app on October 15, 2016.
The stats we got five month later:

1,500
INSTALLS FROM THE GOOGLE STORE

4,054
USER ALERT CONTRIBUTIONS

19,629 h
TRAVELED WITH A TRAPTAP ON

1,221,554 km
TRAVELED WITH A TRAPTAP ON

98,320
RED LIGHT CAMERA NOTIFICATIONS

80,312
SCHOOL ZONE NOTIFICATIONS