sensorberg & blte[1]

questions?
ask them right away!

about me

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mobile software Ingenieur
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about me

iOS / Android / anything
connect smartphone to anything
sensorberg: iOS, Android, technical consulting, nerd-in-residence

sensorberg

- sell beacons with German QA

    - USB stick, TI based, Nordic based

- planning beacon installations

    - subway, fairs, showcases

- software integration support

- case development (including 3D prototyping :)

- complete software stack…

software-stack

iOS SDK

Android SDK

Backend with REST API

Management Console[2]

Tools (Showcase Apps[3], MacBeacon[4], MacScanner, Technical Scanner, Beacon Configuration Tool, Fully automated Beacon

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[2] manage.sensorberg.com

[3] GooglePlay

[4] BeaconOSX

SDKs

easy integration
flexibility

Android SDK

- scan in background

- stay awake in all neccesary conditions

- put process to sleep as long as possible

- resolve beacon events with backend and trigger presentation/reaction

- Service implementation

iOS SDK

- tweak CoreLocation to enable background and foreground detection of any beacon

- resolve beacon events with backend and trigger presentation/reaction

Android Architecture

- close as possible to the system

- android.app.AlarmManager, separate process Service, Intent RPC

- separate modules.

- Components:

  - Scanner

  - Resolver

SDK coming soon

- offline capabilities

- caching of actions

- persistence of event in case of no connectivity

- Volley with Diskbased Cache + OKHttp

Open Source

Android Sensorscanner

A Beacon ranger.

simplified blueetooth stack -> production code, but still in progress