

## BUSINESS REQUIREMENTS

Provide a next-gen, activity & location monitor for bikes. The solution needed to seamlessly integrate a multi sensor device (attached to end user bike) to the cloud & mobile phones, so that user can track their bike location, activity goals and monitor their progress. Multi-tenancy & access from web and smart phone or web browser was a must!

### Our Solution

- Seamlessly integrated multi sensor device (attached to the end user bike) to the cloud, so that user can keep track of their bike location
- HW design optimization, Board Bring up, Firmware and multi-tenant cloud application
- Highly available and scalable multi-tenant bike rent tracking
- Deployed across multiple regions among inspiring health and eco conscious bike riders
- Real time data analytics used by Government authorities for city planning

### Technology Stack



Google Map v2 for Android, Rest API, BLE, Objective C, Ruby-on-Rails, Redis, Postgre SQL, Capistrano, Google Maps for Business v1.0, Soft Layer Cloud Storage, Embedded C, Cellular Modem (GSM, CDMA), GPS, Bluetooth, Accelerometer, Gyroscope, Alarms

### Benefits

