



CONFIDENTIAL

Scope of Work

Project	RE App PoC for Electric Vehicles
Version	V1.0
Date	07/12/2023

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Created by	Checked by	Approved by

Revision history:

S.no	Version no	Change description	Date
1	1.0	Scope of Work - Build POC iOS RE App for EV	07/12/23

ROYAL ENFIELD

Project Background

The intent of this Proof of Concept project is to integrate vehicle and vehicle cloud features with the mobile app for an upcoming electric motorcycle of Royal Enfield

The Application will have to interact with

- Motorcycle BCM/SOM for direct motorcycle interaction for features such as proximity and remote based lock and unlock
- Vehicle connected platform cloud to fetch vehicle information and to also update vehicle settings back to the vehicle via the cloud

The vendor shall provide the following team members for a period of 3 months to implement the scope mentioned in the below document.

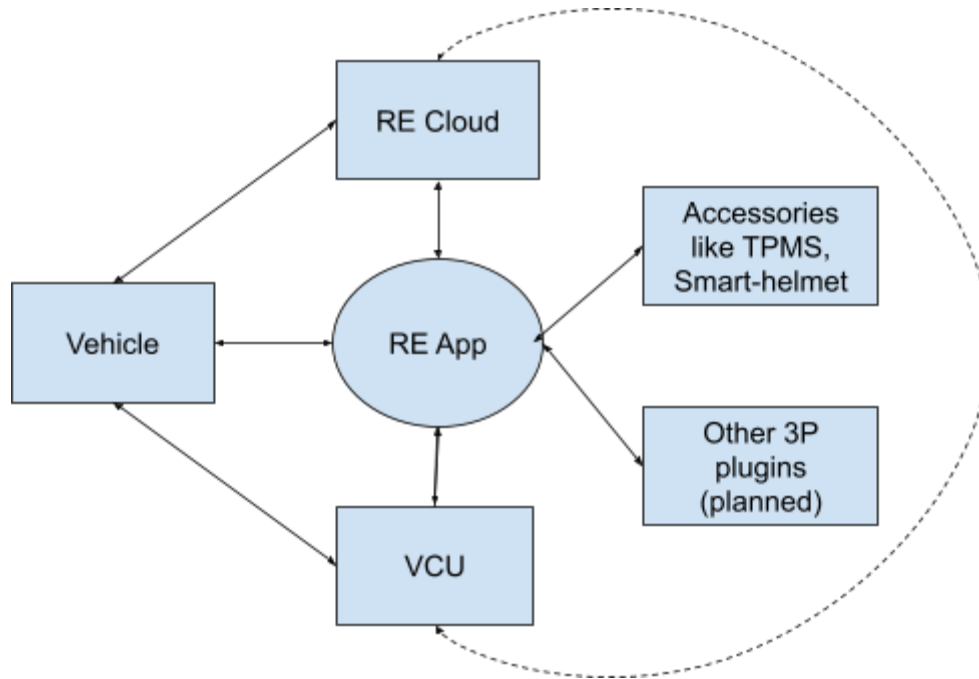
Role	Experience	Count
Senior iOS Developer with experience in tuning Bluetooth Received Signal Strength Indication (RSSI) values and IoT devices integration	5+ years of experience	1
Full Stack Developer (Java based Microservices, Databases and Graph Experience)	5+ Years of experience	1
Manual Tester - Experience in testing mobile apps and APIs	3+ Years of experience	1
Business Analyst	3+ Years of experience	1

Scope for Delivery Packet 1 on iOS devices supporting iOS 15 and above

Feature	Description/details
Vehicle Features	Cumulative trip report (Distance, time, Power consumption etc)
	Individual Trip report based on boot up cycles
	Cruise control, traction control, hill hold assist, ABS control- Enable/disable
	Set Ride Mode configuration
Alerts & Notifications	Smartphone Integration with BT call, music etc
	Critical Safety Alerts - Battery, Motor, BMS, Charing, Other Controllers
Privacy & Security	RE app based lock/unlock BT
	RE App based lock/unlock using PIN via data
	Proximity based lock/unlock
	Encrypted data transmission via BT/Cloud for all vehicle data

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App Interaction Diagram



Project Deliverables

- Software Design and Architecture details
- UI/UX design as per RE UI design guidelines
- Working software (iOS App and backend) to meet all the mentioned features
- Source code of the working software
- Documentation for source code & hardware integration
- Test and Validation plan
- Test reports and validation reports
- Bug Fix and Stabilization support
- Non Functional and security testing and reports

Proposal Deliverables

- Rate Card for mentioned skills and skill levels
- Resume of candidates for selection

Exclusions

- Input Data parameters like vehicle data will be provided by Royal Enfield or their vendors