

Project design Phase IITechnical stack

Date	19 September 2022
Team ID	PNT2022TMID44574
Project Name	IOT based safety gadget for child safety monitoring and notification
Maximum Marks	4 Marks

Technical Architecture

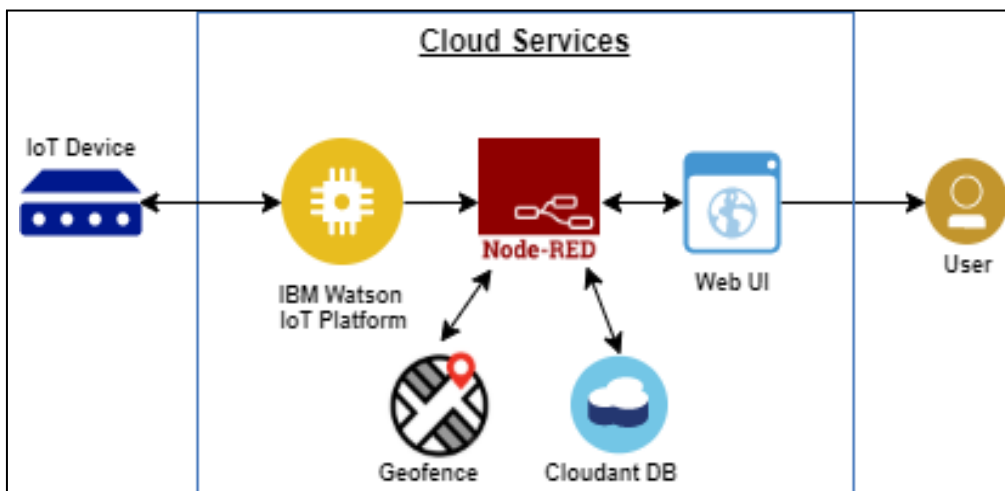


TABLE 1: COMPONENT AND TECHNOLOGIES

S.NO	COMPONENT	DESCRIPTION	TECHNOLOGY
1	User interface	The communication protocol being used in the proposed solution might act as an	MIT app

		interface the way like WIFI,Bluetooth	
2	Application logic	The data to be collected and send to the authenticator via GSM providing the GPS coordinates to easily located access and monitor the child	IBM Watson STT service,python etc
3	Database	Date to be segregated and secured in the form of relation DBMS	MySQL
4	Cloud Database	IBM	IBM Cloudant
5	File storage	File storage requirements	IBM block storage or other storage service or local filesystem
6	External API-1	To access the children location	GPS location monitoring etc
7	Infrastructure	Application deployment on local system/ cloud local server configuration	Cloud foundry

TABLE 2: APPLICATION CHARACTERISTIC

S.NO	CHARACTERISTIC	DESCRIPTION	TECHNOLOGY
1	Open source framework	The Proposed solution being framed in the form an android application of their children	UI / UX design development
2	Security implementation	The developed application should be accessible in the way it can only response to the comments of the relevant users	Encryption,IAM controls
3	Scalable Architecture	The app format comes the way easier to handle and operate	Not yet determine
4	Availability	The developed solution tends to be available in the market at any time	Not yet determine

5	Performance	Highly proper and betterment functionalities are to be ensured in the designed solution	Not yet determine
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