![CitiusTech logo] **CitiusTech** | Case Study

HEALTHCARE
LIMITLESS

Mobile Application for Portable Ultrasound device

Our vision is to inspire new possibilities for the health ecosystem with technology and human ingenuity. At CitiusTech, we constantly strive to solve the industry's greatest challenges with technology, creativity, and agility. Together with the world's leading Healthcare and Lifesciences organizations and our partners, we aim to accelerate the transition to a human-first, sustainable, and digital healthcare ecosystem.
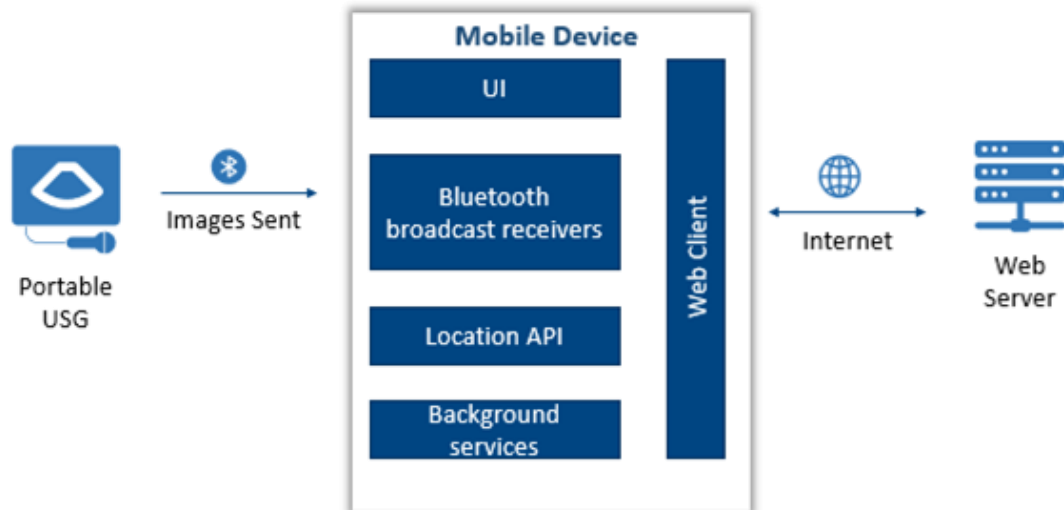
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Client Requirements

- Client is a leading manufacturer of medical Imaging products like USG, MR, CT etc. and solution provider with presence across global healthcare providers
- Client wanted to develop a mobile application which can receive the acquired images via bluetooth from the portable USG and further upload it to a server for other clinicians for their opinion
- CitiusTech was selected for the engagement for its expertise in medical imaging & application development

Solution Schematic

CitiusTech Solution

CitiusTech developed the solution using Android's Bluetooth API. Key solution features include -

- Application compatibility for smart phones and tablets
- Development of UI which provides a gallery view of the images taken by the user for handling multiple ultrasound images
- Server level user authentication, application level PIN authentication & session management
- Ability to receive images via Bluetooth for single/multiple patients, and configuration for storage of images in the mobile device
- Provided the ability to upload ultrasound images through web API and enabled capturing of the user location during the exam

Value Delivered:

- Delivered a mobile ready application with native features like Bluetooth support & location tracker
- Simple and intuitive UI minimized training efforts and enabled greater end user experience