



Let's Solve

Case Study

Enhanced user experience and application performance of Sleep tracking system app for Medical Devices & Cloud-based Software Applications Company

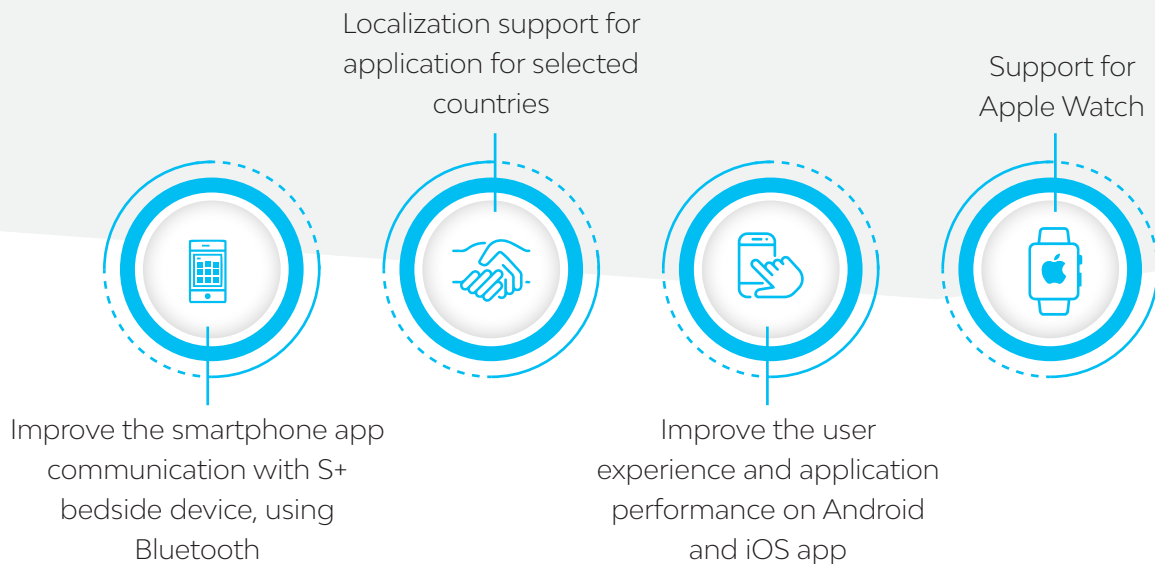


A Larsen & Toubro
Group Company

Client

The client is an award-winning Medical Devices and cutting-edge Cloud-based Software Applications company. It creates solutions to better diagnose, treat and manage Sleep Apnea, Chronic Obstructive Pulmonary Disease (COPD) and other chronic diseases.

Challenges



LTI Solution

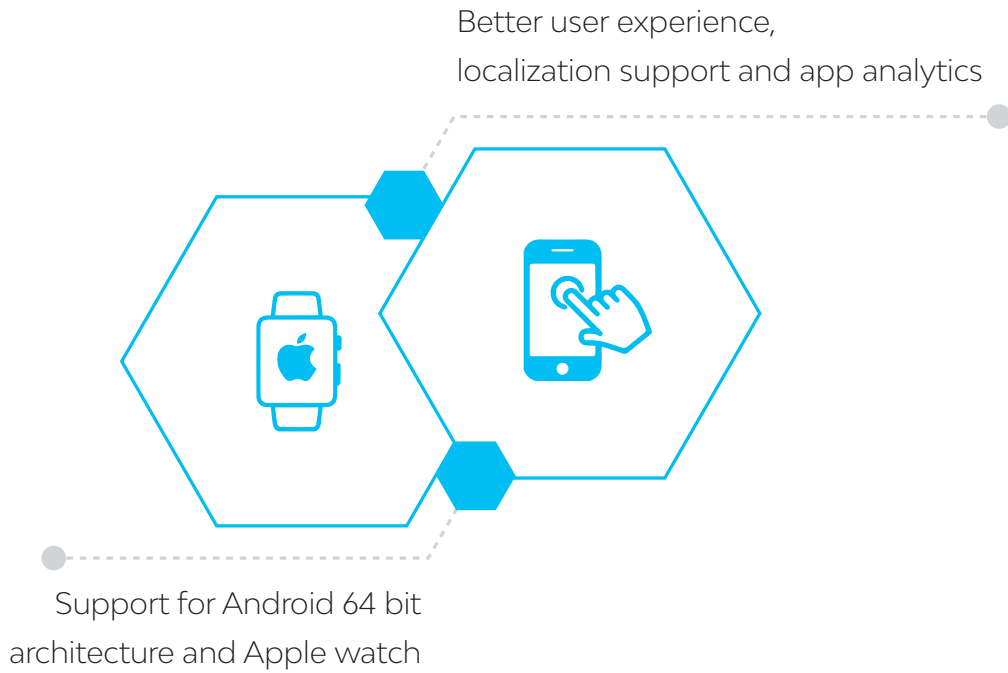
Scope:

- UI changes for better usability and user experience.
- Application support on latest android devices, with 64 bit architecture.
- Flurry analytics implementation on Android and iOS application.
- Localization support on application server to get sleep advice specific to user's current locale.
- GCM and PUSH notification implementation for sleep advises.

Scope:

- Bedside device connects to smartphone via Bluetooth. Interactions are done entirely via phone.
- Sleep session is triggered from the phone. Bedside device uses low-frequency radio waves to detect movement, breathing, and heart rate, as well as room temperature and luminosity.
- Uses microphone on phone to determine ambient volume. Raw data is sent from unit to phone – app has algorithm that determines sleep phase.
- Technology: Microsoft Azure as Cloud Platform | SQL Azure for database, along with Table Storage | Queues for Advice Engine | Cloud services for main API (user API and bulk API) | Azure websites for public sites and dashboards | Mobile services for push notifications.

Business Benefits Delivered



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