

Infogain Develops Innovative Mobile and Web Application for Patients and Providers Hosted on MS Azure

Our client is a US orthopedic company that makes high-precision hip and knee products for the US and global markets.

Challenges

- Manual process for recording and tracking their patients' health attributes before and after surgery, including rehabilitation
- Lacked a process to collect and analyze patient's health attributes in real time
- Lacked knowledge of patients' program details, exercise compliance, weekly rehab progress reports, pain scores etc. pre, post and during surgery and/or treatment
- Lacked useful data and analytics that could be collected and analyzed, relating to postoperative range of motion and rehabilitation

Solutions

- Designed and developed iOS and Android mobile applications for patients and doctors to access real-time patient data and track it over time
- Designed and developed web application used by admins and doctors for administration and analytics purposes
- Developed web services which track, and push patient attributes gathered from wearable implants via Bluetooth to mobile app, and then to MS Azure Cloud database
- Telemedicine feature that enables doctors to contact their patients by communicating through the mobile app

Benefits

- Innovative software product with no known comparable solution in market
- Real time tracking of patient data with effective and efficient Bluetooth Low Energy (BLE) communication to implanted medical device
- Increased client (provider) satisfaction with real time patient data and telemedicine capabilities
- Increased customer (patient) satisfaction with intelligent solution that provided training, medication, exercise, and other important reminders
- Insights into patient data with most recent data points and analytics
- Compliant with regulatory requirements from different countries

Case Study

Business Impact Delivered



Technologies Used



Team Members

