MobilePundits
An ISO 9001:2008 Certified Company

mHealth Solution
for Remote and Low Resource Environment

Client Business Description

◇ UK based Product Company delivering high-quality, software-based solutions to a range of markets including healthcare, agriculture and social housing.

Background

◇ Lot of Sub-Saharan African Countries deal with Healthcare issues which are relatively unknown to Western world. Effective Monitoring & Evaluation is a must for Healthcare Initiatives, Disease Management, & Public Health Campaigns for Malaria, TB, AIDS, etc.

Challenge

◇ A lot of native Health Workers in Africa still use basic 'feature' phones with erratic data connectivity.

◇ Capturing data reliably and most of the time in offline mode is crucial to the success of a campaign.

Idea

◇ Develop a configurable mHealth / TeleHealth Product to accept wide range of inputs including online or offline data collection.

◇ MobilePundits delivered a mHealth / TeleHealth Solution that provides real time visibility into KPIs of Healthcare Initiatives, Disease Management, & Public Health Campaigns for Malaria, TB, AIDS, etc. using Visual Data Representation.

Our Solution

◇ Developed & maintained mHealth platform called "Mango" that was configurable to accept a wide range of inputs including online or offline data collection using 'smart' devices, SMS messages from basic handsets, web forms, and can be integrated with other complementary systems, including IVR.

◇ Irrespective of the input method, the data is processed and presented in a rich set of appropriately configured reports. The reports are available onscreen, email, and as text reminders. The solution can be deployed as a fully managed cloud-based service.

◇ Enabled Health Workers to view KPIs of Health Campaigns using charts and graphs in their own 'Native' language.

◇ Deployed the data collector mobile app for all three major smartphones platforms iPhone, Android and Windows Phone.

◇ The platform pulled & pushed Information from client databases like various State Ministries of Health's, NGOs (Clinton Health Access Initiative), & other Health MIS'.

◇ Administration of Health Campaigns & Initiatives was made easy & quick.

◇ Platform leveraged USSD for instant handling of SMS, Offline capability to automate data collection.

Technologies Used

- .NET Framework 4.0, C#, ADO.NET, and WCF
- AJAX, XML, and JavaScript
- RESTFul Web Services
- IIS7.0, Visual Studio 2010, and Microsoft SQL Server
- iOS SDK and Objective C
- Android SDK and Core Java
- Windows Phone SDK and C#

About Mobile Pundits

Mobile Pundits is an ISO 9001:2008 Certified, leading provider of end-to-end Mobile Development & Testing solutions.

Since over 15+ Years now, Mobile Pundits' expert team has been helping our Clients with:

◇ Enterprise Mobility Strategy & Consulting
◇ Mobile Product Development
◇ IoT (Internet of Things)
◇ Responsive Web Design & Development
◇ Mobile Application Development
◇ Mobile Application Porting
◇ Cross Platform Development
◇ Mobile Testing

15+ Years of Mobile Development

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Our areas of expertise include:

iOS Android Windows 8 Phone HTML5 PhoneGap Java .net php iOT

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