Transforming Healthcare with

Patient-Centric Digital Solutions

QBurst is no stranger to the digital solutions space, more so in the healthcare sector. With focus on mobility, social, cloud and analytics, QBurst has been serving myriad verticals globally with help from cutting edge solutions that deliver.

Successfully delivering technology-driven healthcare solutions that enable clients to enhance value to services, QBurst has been partnering with clients to deliver innovative ways of enhancing productivity, all the while making smarter business decisions.

A few examples of business enhancements in the healthcare sector:

An interactive solution for healthcare clinics that provides physicians with instant access to patient medical history. Physicians can input diagnoses and procedures performed on the patient (CPT and ICD codes in medical jargon) which is in turn forwarded to the clinic's billing application.

A patient-centric support solution that enabled real-time interaction with the physicians

A fitness solution which monitors the user's physical activities and suggest activities that matched his body requirements. This was developed for a renowned fitness firm in the United States

As a digital transformation partner, QBurst looks forward to an exciting journey that ensures the best in class service, efficiency, security and profitability for you.

The QBurst Approach

QBurst follows agile methodologies for product engineering and development. By breaking down projects into smaller iterations, the process of delivery for product development is effectively speeded up.

We use web-based project management and collaboration tools such as Trac, JIRA and Redmine to ensure quality and successful delivery of projects. Clients are given access to these tools so that they can track progress as we design, develop, test, and deliver solutions.

TESTIMONIAL FROM EMIS

"It has been an exciting time with QBurst; really fast-paced execution and flexible all the way to meet the needs of our development challenges, which range from putting together a mobile team to getting resources on-site. We got the best quality resources and the best service. It has worked really well because of the approach we have taken and because of the right partner we have chosen."

David Weir, Development Director, EMIS Health

Patient-Centric Solutions for Healthcare Providers

Patients are no longer an uninformed and isolated crowd. They are slowly but surely transforming into a group of well-informed and choosy customers careful about who they consult and how they are cared for. Patient experience is the latest buzzword and healthcare providers have no choice but to engage with patients in a way that makes them self-reliant to the greatest extent possible.

Healthcare industry today is blessed with the convenience presented by a multitude of digital solutions offering continued and meaningful communication with customers. In short, consumerism has caught up with the healthcare vertical, leading to business transformation of the unprecedented scale. Starting from solutions offering expert advice on healthy lifestyles, timely reminders on health check-ups and consultation appointments with providers, to those that help the recovery process from life-threatening diseases, these digital tools transform the patient journey to an easier and less painful one.

The channels for accessing such solutions vary from smartphones at the simplest level to wearables at the other. Technology-enabled patient engagement is one of the game changers in the current scenario and if hospitals and healthcare providers choose to ignore the trend, they would be left behind in a serious race for efficiency and real-time benefits arriving alongside.

Hospitals have had pressing challenges to contend with – rising operational costs and patient demand for value for money. It is an urgent transformation that the healthcare industry requires and one that is mostly aided by digital technology.

Enhancing Patient Experience by reducing ER Waiting at NYU Langone

Business Requirement: New York University Medical Centre – Langone noticed that patients had to wait for turns at the ER room, as there were no means to know the estimated waiting period. In addition, the medical center also planned to improve patient experience by providing digital navigation in order to guide them through the shortest/ fastest route to the ER.

Solution: QBurst delivered a solution that displays ER wait time on the user's phone screen, updated every 15 minutes. There was also a display of the shortest possible route from the user location to the ER.

Key Features & Benefits

➤ Patient satisfaction through constant engagement, as the updated ER wait time was conveyed on a near real time and refreshed every 15 minutes

➤ Lesser number of missed appointments by providing driving directions and traffic information to ER

➤ Reduced anxiety levels by providing right directions and waiting time notifications

➤ Integrated solution with Google maps to provide accurate and updated route information

➤ Supreme 'patient-experience' by engaging at the right moment
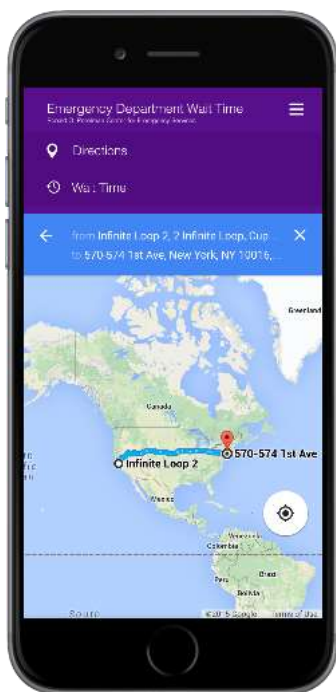
Technologies

➤ iPhone : Xcode, Core Location, AFNetworking 2.0

➤ Android: Android Studio, Fused Location

➤ Backend: Node.js

➤ Google Maps

Client Profile
Founded in 1841, NYU (Expand, as we want to highlight our global experience) Langone Medical Center is one of the foremost medical schools in the United States.

Business Case: NYU Langone sensed the need for a reliant system to track the physical well-being of patients who had been unfortunate enough to experience a concussion. A solution that collected physical indicators like heart rate and other cognitive functions for six weeks after the patient had been diagnosed with a concussion would speed up patient recovery process by means of timely tracking.

Solution: QBurst engineers developed a solution that allows patients to access important medical data from various devices through native applications. It had customizable dashboards that kept track of patient goals, reports shared through email, graphical versions of reports that are easy to interpret and the solutions can be connected to third party services as well. The solution was designed to make the recovery phase of patients a less long-drawn affair

Key Features & Benefits

➤ Operates on iPhone & Apple Watch

➤ Collects location data, steps taken, workout data

➤ Tracks daily symptoms to pass on to physicians

➤ Apple Watch measures the heart rate of patient

➤ Dashboard displays results in graphs – for easy assimilation

Technologies

➤ Swift

➤ Xcode

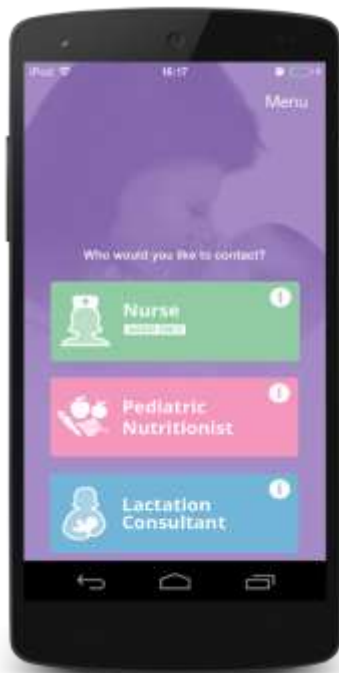➤ iOS SDK

➤ MWWormHole Framework

Client Profile
Founded in 1841, NYU (Expand, as we want to highlight our global experience) Langone Medical Center is one of the foremost medical schools in the United States.

Business Requirements: The enterprise client, a telemedicine company, wanted to make a difference to those who belonged to the new parent category. They wanted to make the tough job of parenting a pleasurable for new parents. They approached QBurst for a solution that could help. The whole venture would be supported by a network of nurses, dieticians, and lactation consultants to deliver on-demand advice for a child's specific needs, rather than using online generic information.

Solution: QBurst came up with an innovative digital tool that allows first-time parents to contact a network of infant healthcare providers through smart phones. The solution connects new parents and childcare experts using video call 24/7 and has been a success

Key Features & Benefits

➤ On-demand video gives advantage of personal advice to people

➤ Users can choose providers according to their preferences and past experiences

➤ Star review system lets the user review feedback and credentials for each care provider

➤ Users can review providers after every call

➤ Users can create and manage accounts on the client website and have easy access to solution features

Technologies

➤ Sightcall: WebRTC Video Communication Service-HIPAA compliant

➤ Xcode 6.1, Objective-C, iOS SDK

➤ Android Studio, Java, Android SDK

➤ Git

➤ TrueVault for encrypted HIPAA-compliant storage of sensitive information

➤ Ruby on Rails

➤ Recurly for user subscription

Client Profile
The client is a US-based telemedicine company offering on-demand healthcare services to new parents.

# EGTON Arrivals: Implementing a Superior Patient Flow Management

Business Requirement: EGTON, a subsidiary of the EMIS Group, needed a flawless Patient Flow Management system that communicates with EMIS' patient appointment system in real time, to fetch important patient data that included medical records and details on past and current appointments

Solution: QBurst developed a kiosk solution - EGTON Arrivals that allowed patients to electronically check themselves in for an appointment. It helps in reducing patient queuing times and helped the hospital staff to concentrate on their core duties. System communicates with the patient appointment system of EMIS to fetch data on patient records, appointments etc. that is made through API calls. Admin should be given the option to make configurations and push changes to the application remotely

Key Features & Benefits

➤ Book appointments; confirm arrival

➤ Language/function preferences

➤ Fill out questionnaires and participate in surveys

➤ Confirm demographics
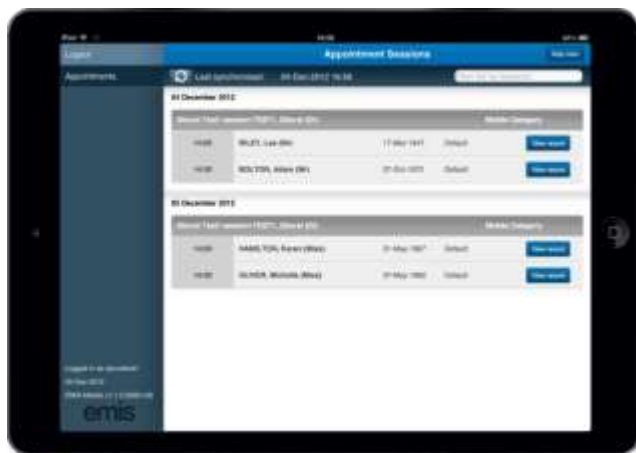
Technologies

➤ ASP.NET MVC

➤ ASP.NET Web API

➤ ClickOnce

➤ SignalR

➤ WPF with MVVM Light

Client Profile
Egton is part of EMIS Group – the UK leader in connecting healthcare technology.

Proactive HealthCare: Weight Tracker Tool for EMIS

Business Requirement: As part of the desire for a series of mobile solutions to promote healthy living, EMIS thought it would be effective to have a tool that helped users track variations in body weights, and correct as needed.

Solution: QBurst introduced a mobile tool on iOS and Android platforms that helps users achieve the target body weight through daily tracking and analysis. Users can manually enter numbers or use a Bluetooth-enabled weighing scale for this purpose

Key Features & Benefits

➤ Option to set your 'Goal Weight'

➤ Bluetooth scale integration (BTWS 10) for weight entry

➤ Use of BMI and graphical weight chart to track progress

➤ Option to share progress on Facebook manually or automatically

➤ Photo repository to view date-wise progress

➤ Password protected security

➤ 'Weight Help' provides informative health tips

Technologies

➤ Eclipse

➤ Android SDK

➤ Xcode

➤ iOS SDK

Client Profile

EGTON Medical Information Systems Ltd. (EMIS) is UK's leading primary care software provider that manages more than 39 million patient records

Tracking Patient Wellness via Health OMRON Health Tracker

Business Requirement: Omron was in the need for a modern mobility solution that connected to an existing native application that read data from devices. The data read from these native healthcare devices had to be displayed graphically by the new application. They approached us for filling this gap in services.

Solution: QBurst developed a digital solution that allows patients to access important medical records/data through various mobile devices, through native applications. The tool has customizable dashboards that kept track of patient goals, allowed for sharing of patient reports through email and provided for graphical versions of reports that are easy to interpret. The solutions can be connected to third party services as well.

Key Benefits

➤ Customizable dashboard; set and keep track of goals

➤ Pair and sync devices via Bluetooth

➤ Track daily readings/reports; share via email

➤ Graphs and charts display progress

➤ Connect to 3rd-party services (AppleHealth, RunKeeper, Walgreens)

Technologies

➤ HTML5

➤ CSS

➤ ANGULAR JS

Client Profile:
Omron Healthcare Group is headquartered in Kyoto, Japan.

Why QBurst

300+ Mobile Resources

350+ Web Resources

100+ Big Data and Analytics Experts

150+ QA Resources

50+ DevOps Resources

Streamlined Development Process

Strong Capabilities Across UX, Design, and QA

Cross Industry Experience

Highly Qualified Resources with Diverse Skill Sets

Focus on Quality

At QBurst, products are developed in a strict, quality-controlled environment. Best practices are followed such as continuous integration, unit testing and frequent releases. Personalized attention is the norm and not the exception. By adopting a customized and transparent approach in product development, it has not been a tough affair of winning the confidence and trust of clients.

Cross Industry Expertise

Automotive

eCommerce

Entertainment

Healthcare

Technology

Retail

Media

Public Sector

Travel & Tourism

Global Delivery Model

Agile Methodology

Transparent Communication

Web-based Collaboration

Timezone Advantage

Technologies

- ➤ Enterprise Edition
- ➤ CRM
- ➤ Apex Classes
- ➤ SOQL for CURD
- ➤ VisualForce Pages
- ➤ Social APIs
- ➤ AuthorityLabs

QBurst at a Glance

FACT FILE

- Global IT Product Developer
- Established in 2004
- 1200 Workforce
- 75+ Active Clients
- 650+ Completed Projects
- 12 Offices across the Globe
- Focus on New Technologies
- Fast and Steady Year-on-Year Growth
- Profitable Since Inception

SERVICE PORTFOLIO

- Mobile Development
- Web Development
- UX Services
- Design Services
- IT Infrastructure Management
- Quality Assurance
- Big Data & Business Intelligence
- Cloud Solutions
- Social Media Analytics

PARTNERS

Microsoft Partner Gold Mobility

amazon web services | solution provider

Adobe Enterprise Solution Partner COMMUNITY

salesforce | SILVER CLOUD ALLIANCE PARTNER

ORACLE CERTIFIED PARTNER

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MAJOR CLIENTS

NATIONAL GEOGRAPHIC

GREENPEACE

AstraZeneca

THE FIND

PRIVATE FLY

webs

Petrofac

airtel

Add This

BOMBARDIER the evolution of mobility

UNDP

NYU