Expertise in Healthcare Domain

experion
technologies

About Us
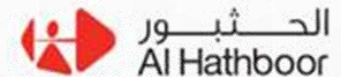

- **Experion Technologies is a fast growing digital solutions** company with presence in the United States, Australia, India, Netherlands, Germany and Switzerland

- Into our **10th year of operations** with **3 development centers** in India

- Track record of developing over **300 applications** and **software products** which harness **Mobile, IoT, Analytics, Cloud & Web technologies**

- Delivered applications and solutions **to over 100 customers** comprising of start-ups, early stage companies, SME's and Global 1000 corporations

- Experion's custom solutions and products touch **over 2.5 million users across Enterprises, Healthcare Organizations, Educational Institutes, Real Estate Companies, Governments, Transportation and Supply Chain/ Logistics Providers** across 24 countries worldwide

- **Red Herring 100 fastest growing** companies two years in a row

- **Frost & Sullivan** recognized Experion Technologies' Product development and implementation capabilities in 2013
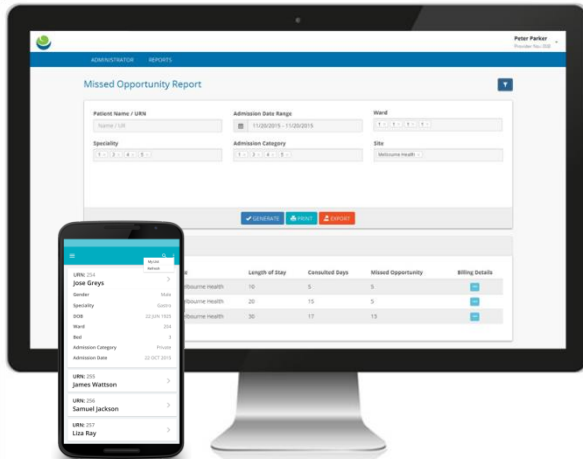
Our Clients

Our Offices

experion technologies

Netherlands
Germany
Switzerland
New York
Dallas
Bangalore
Kochi
Trivandrum
Melbourne

Case Studies: Healthcare & Fitness

iOS

Multi Platform Hospital Billing Solution

The Client

The client is one of Australia's leading public healthcare providers. With a history of over 165 years, the client is a pioneer in research & training and runs a chain of premier hospitals in Australia.

About the Project

The project involved creating a unique multi platform solution, which helps doctors view/ update billing information of patients under their care. The intuitive application makes it easy to fill in the billing details, thereby increasing efficiency of the doctor and saving money for the hospital at the same time.

Key Features/ Benefits

• Allows quick access to patient details, saving time & reducing stress for care providers

• Provides access to billing history of patients and missed opportunity reports

• Saves $35 per missed consultation, resulting in savings of millions of dollars per year

• Up to 30% time saving paperwork, improving time spent on actual patient care

Case Studies: Healthcare & Fitness

Remote Parameter Monitoring

The Client

A premier research institute devoted to research in Molecular Biology and Biotechnology and a major provider of laboratory/ infrastructure services to other research institutions.
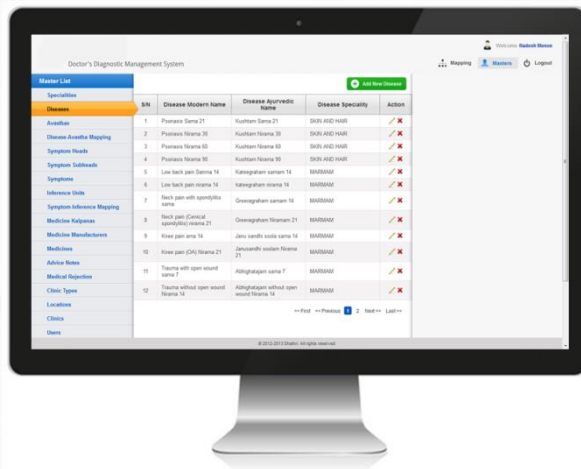
About the Project

The client wanted to develop a solution to track and monitor temperature variations in remote freezer units under laboratory conditions. Experion developed ASP.Net based solution which displays data across freezer units, sent from transmitter devices using Zigbee wireless protocol.

Key Features/ Benefits

- Automatic logging of temperature across freezer units at pre-set time intervals
- Graphical plotting of temperature to visually track variations
- Automatic alerts for variations exceeding configured range
- Generation of reports to track temperature variations over selected date/ time range
- Accurate maintenance temperature history for future reference

Case Studies: Healthcare & Fitness

Healthcare Decision Support

The Client

A leading practitioners of traditional and alternative medicines, operating specialized clinics and hospitals across the India.
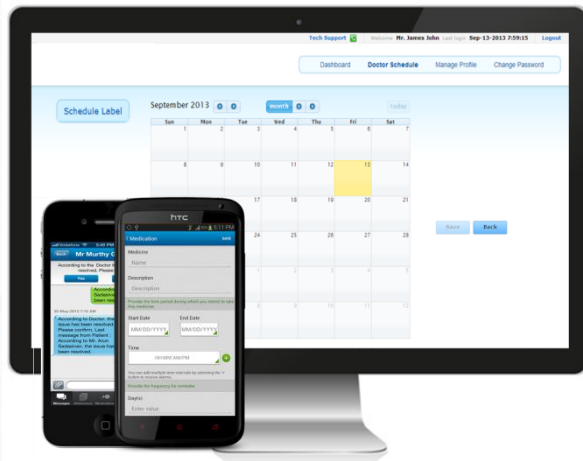
About the Project

The solution assists doctors to diagnose a patient through a series of steps generated by the system. The diagnostic process is completed using specialized algorithms developed as part of the solution. The system also recommends a list of medicines from which the doctor can select and generate prescription for the patient.

Key Features/ Benefits

- Online solution for use across clinics/ hospitals
- Assists the diagnostic process through a system generated questionnaire
- Standardizes processes across clinics/ hospitals and franchisee outlets
- Automatic generation of prescription based on diagnosis results and doctor's inputs
- Integration with pharmacy systems for billing

Case Studies: Healthcare & Fitness

iOS

Healthcare Messaging Platform

The Client

The client is an online platform provider for health care organizations which facilitates effective tracking & monitoring of communication with patients and healthcare entities.
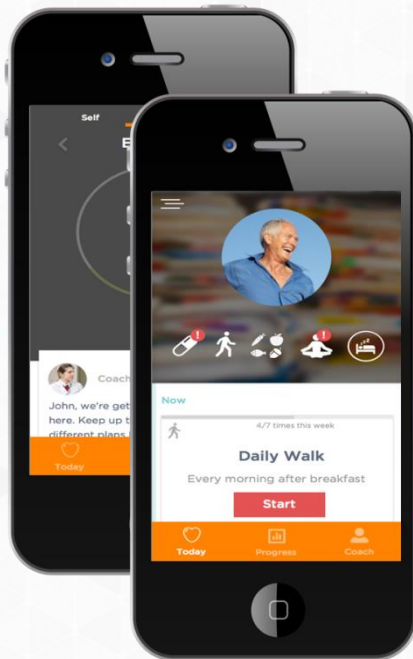
About the Project

This is a messaging platform that provides an easier and more effective way for patients and caregivers to communicate to each other (hospital staff, home healthcare agencies etc.). The application also allows the users to keep track of the medication schedules and get timely notifications and reminders.

Key Features/ Benefits

- Multiple user profiles to support various healthcare entities
- Secure and multi lingual HIPAA compliant messaging platform
- Hospital visit and medication reminders and notifications
- Easy access over web and mobile (iOS and Android) applications
- Web based admin console for management by hospitals

Case Studies: Healthcare & Fitness

Health & Wellness Monitoring Application

The Client

The client is a specialist technology provider, offering mobile centric solutions for the healthcare domain.

About the Project

The project involved development of a mobile based solution for post hospitalization monitoring and rehabilitation of patients. As a virtual health coach, the application helps patients keep track of their medication and fitness goals. The application also allows messaging between patients and health coaches/ healthcare providers.

Key Features/ Benefits

- Helps patients and health coaches define and track medication/ fitness goals
- Dashboards for tracking progress against set goals
- Utilizes location sensing capabilities for alerts and notifications
- Monitor patient fitness/ activity levels using activity sensing capabilities
- Support for pushing notifications to Smart Watches

Case Studies: Healthcare & Fitness

Intelligent Document Management System

The Client

The client is a leading public healthcare provider headquartered in Australia.
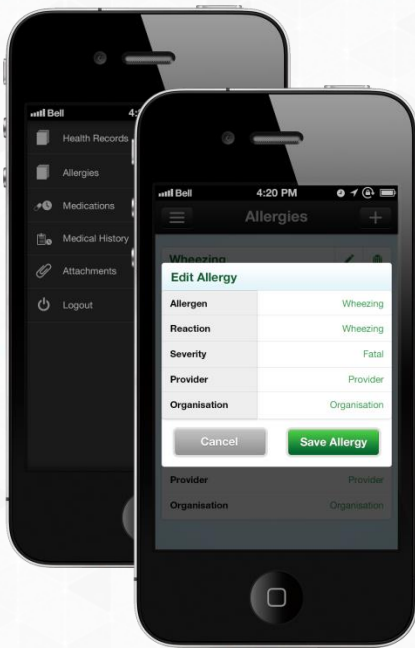
About the Project

The application is a role based Document Management System for prescription policies & procedures. The application required a technology upgrade to latest .NET framework with added capabilities & functionalities to achieve its business objectives making the platform available to hospital staff to easily find policies, guidelines, manuals etc.

Key Features/ Benefits

- Redeveloped application based on latest .NET and SQL versions
- The application is accessible from tablet devices with 7" & 10" form factors
- Support multi-site architecture to support any number of hospitals
- Improved search functionality, work flow management & reporting capabilities
- Permission access levels can be set depending on the management hierarchy
- Alerts and notifications to the concerned department upon document expiry

Microsoft

ASP.NET   Bootstrap

Case Studies: Healthcare & Fitness

Mobile Electronic Health Record

The Client

A leading provider of software applications for the healthcare industry, which are designed to improve connectivity across the health care sector.

About the Project

The project involved development of a mobile based personal electronic health record application for use by end consumers. The application stores the user's health information (allergies, medications, test results, consultation summaries, emergency contacts, medical appointments, prescriptions, reminders, etc.) in one secure location.

Key Features/ Benefits

- Consolidated digital record of individual users and their family members
- Option to provide external access to health records in case of emergency
- Ability to communicate and securely share information with healthcare professionals
- Web and mobile (iOS & Android) based access to view and update health records

Key Clients in Healthcare Domain

Healthcare Practice

Healthcare Practice Advisory Board

- Hari T (Subject Matter Expert Healthcare Practice)

  - Medical Doctor; Involved in Market Research, Business Analysis & Strategy Consulting

  - Successfully executed over 200 projects in the last 11 years

  - Advisor, investor & consultant to startups in healthcare and mobile space

  *Experion also recently added two Healthcare professionals to its Advisory Board who have backgrounds in Bioinformatics and Genomics.

- Suraj S (Advisor- Analytics Practice)

  - 20+ years' experience spread across Healthcare, Banking and Financial Services

  - Expertise in defining analytical needs and driving Analytics & BI in areas such as Customer Analytics, Big Data, Data Visualization, Modeling, Market Intelligence, Supply Chain & Pricing Analytics

  - Strong knowledge in delivering solutions in the Big Data Ecosystem involving Hadoop, Apache Spark, Python, Teradata & SAS

  - Instrumental in setting up large Analytics Center of Excellence for a large healthcare organization

Healthcare Practice

Experion Healthcare Practice

- Sreekumar A (CTO & Solutions Architect)
  - 23 years in Technology Management & execution roles
  - Extensive experience in working with healthcare device manufacturers such as Hitachi and other Healthcare specific customers

- 30+ member team focused on Healthcare engagements
  - Includes 1 Healthcare SME, 1 Healthcare Analytics Specialist, Technical Architects ,24 Developers , 3 QA team members
  - The company wide development team is 310+ and is projected to be 370+ by end of 2016 based on current projections. Healthcare practice is expected to grow to 60+ by end of 2016
  - Cross trained in various technologies, emerging trends & needs in Healthcare
  - Includes technically skilled specialists focused specifically on growing Healthcare Analytics competence within Experion Technologies.
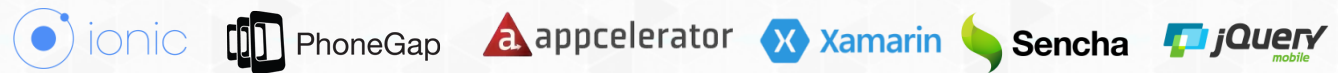
Technology Expertise

experion technologies

Category	Technologies
Mobile Apps	iOS, Android, Windows Phone, BlackBerry, TIZEN, Java
HTML5/ Hybrid	ionic, PhoneGap, appcelerator, Xamarin, Sencha, jQuery mobile
Web	Microsoft .NET, Java, PHP, python, RAILS, HTML5
Frameworks	node js, Bootstrap, ANGULARJS by Google, mean, django, React
Databases	MySQL, Microsoft SQL Server, PostgreSQL, neo4j, mongoDB, OrientDB
Analytics	QlikView, hadoop MapReduce, tableau SOFTWARE, pentaho, R Studio, Microsoft SQL Server, Spark, TERADATA, Gephi, SAS
Cloud/ Integration	amazon web services, Google Cloud Platform, Microsoft Azure
Standards	HIPAA, HL7 INTERNATIONAL, DICOM Digital Imaging and Communications in Medicine

Thank You