

HOSPITAL MANAGEMENT SYSTEM



Mastery in
Software
Engineering

Key Facts



Industry: Healthcare



Team Size: 7 People



Duration: 1+ Years (ongoing)



Technologies:

.NET Core, Angular 2+,
Protractor, Xamarin



Services:

Product Owner
Project Management
Scrum Master
Software Development
Software Architecture
Software Testing
IT Support



Trends: Hospital Management System (HMS)

Highlights

- Nurse calling and shift management module allows easy scheduling of the patient-care staff and allocation
- Provides integration with several medical devices
- Intuitive dashboard that delivers information and metrics regarding ePHI audit trails



Solution

A comprehensive and customizable hospital management system designed to effectively manage patient care, optimize workflows, facilitate staff assignment, and optimize administration.

The solution integrates a color-coded corridor light notification [call] system that alerts and helps the nursing staff to prioritize and decrease response times when caring for patients. The IT dashboard displays in an intuitive and easy to read card format all the patient details: nurse in charge of calls, problems reported, time from request to intervention, medical instructions, a panel for calling a doctor – order an MRI, need a wheelchair, EKG -. The healthcare software includes direct integration with the hospital EMR and a staff-to-staff communication module.

The web and the mobile app can drive clinical transformation due to its customizable and scalability. Each facility can decide how the central dashboard of the platform will look and what functions it integrates, from patient care to the management of hospital beds and operational and cost reports.

The solution supports from large to medium-sized hospitals but has the capacity to suit smaller clinic needs as low as a dozen beds, as well.

Collaboration

Our dedicated healthcare software development team for the project was rapidly set-up (scrum master, software developers, QA engineers). The squad at Fortech, in collaboration with the engineers from the client's team, began the development of the front end for the solution: a web component that integrates into the existing system.

The dedicated Scrum Master is responsible for implementing, advocating, and facilitating the implementation of the adapted Agile SCRUM methodology.

Each new feature or request is analyzed, integrated into the project, and tested in the demo framework of the solution. Our team works on a platform that mimics the entire system in a hospital. Without being connected to any hardware or software system, it is capable of a real-life, full-scale demonstration.

Client Benefits



INDUSTRY COMPLIANCE

In-depth know-how of industry standards and regulations



AGILITY

Iterative development and flexibility with new requirements



QUALITY

High-quality and on-time deliverables



