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Medical Wizard

Using WaveMaker, Medical Wizard's development teams were able to deliver business and process critical applications to cater to the fast paced needs of the Australian healthcare market.

WaveMaker proved to be the backbone of the software solution that helped track patient care with ease.

About

Medical Wizard is a software company headquartered in Melbourne that's been proudly serving the Australian healthcare industry for the past 24 years. It's software has been developed from the ground-up to meet specific needs of hospitals and specialist medical centers. Since its inception in 1994, Medical Wizard has gained an impeccable track record of providing the most intuitive practice management solution in the healthcare space.

Medical Wizard currently supports over 1000 users in over 150+ leading private day hospitals.

Challenges

With the increase of average life expectancy of the population, demand for good healthcare support has also become high. Doctors, nurses and other healthcare providers are finding it difficult to treat patients with limited resources. The traditional approach of creating a solution would require focus groups of doctors and other healthcare professionals to carefully go through all patient case studies and documentation. But this is a luxury that most doctors do not have due to their busy schedules.

Rapidly prototyping and iteratively improvising processes based on frequent feedback by doctors and healthcare professionals is the only way to meet the requirement.

The healthcare industry also deals with a lot of personnel data including confidential patient history, patient healthcare information and other private information. The Australian government has legislation that protects this information. Therefore security is also a major concern.

While Medical Wizard needs to provide software solutions to doctors and healthcare professionals that makes their cumbersome processes efficient, it needs to comply with the security parameters as well.

Solution

Given the challenges, Medical Wizard needed a platform that would allow them to rapidly prototype and build UIs to meet the frequently changing app requirements.

WaveMaker's low-code application development platform fit best to cater to these needs as its UI building ability allowed the client to quickly prototype and incorporate changes in app development.

The WaveMaker platform was also an easy fit for their existing development teams as the platform ran on open-standards based code. Moreover a visual WYSIWYG app-building interface made it easy for inexperienced developers to adopt the platform. The developers could focus on solution building tasks such as creating logics and processes while the platform auto-generated code.

As part of the decision making process in choosing the right product, Medical Wizard was looking for a stable platform that was running open standards, had no lock-in and also had no runtime dependency to run apps or consume the application. WaveMaker provided all this and more. Medical Wizard's development teams were able to deliver business and process critical applications to cater to the fast paced needs of the Australian healthcare market.
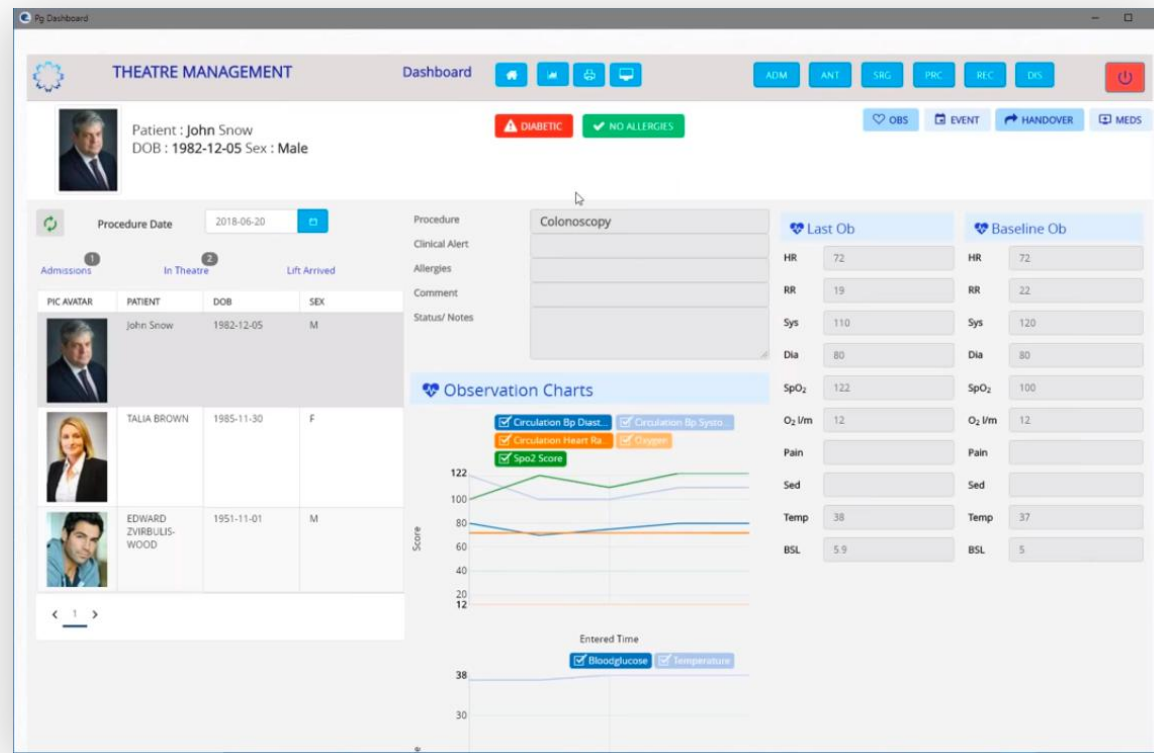
Following things were taken care of while providing the solution:

- *Stable platform to build apps*
- *Quick prototyping*
- *Frequently changing app requirements*
- *Easy UI*
- *Managing private data*
- *Open standard based code with no lock-in*
- *No runtime dependency*

Results

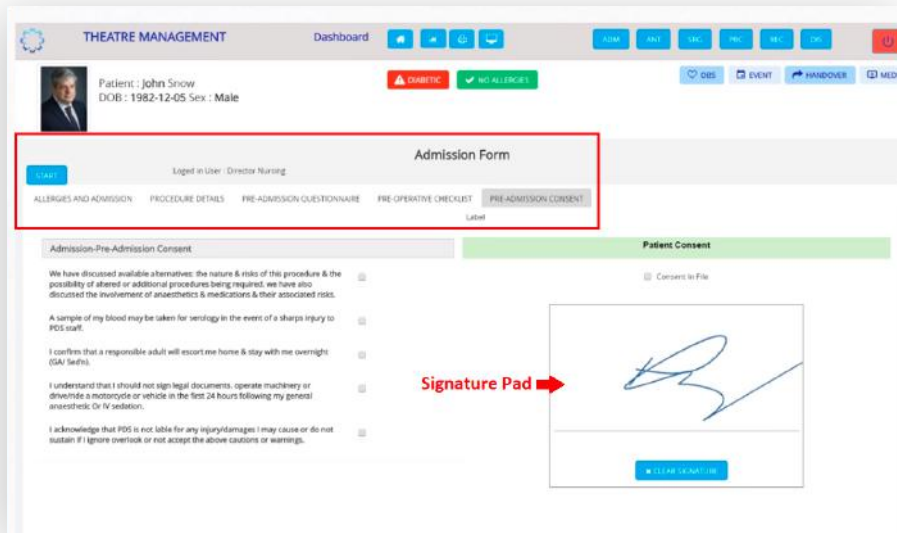## Theatre management application

This application is designed to manage a patient's journey from visiting the hospital to being diagnosed, checking operation theatres' availability, getting procedures and finally being discharged.

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This application involved:

- Patient data management and record-keeping
- Access on both web and mobile devices
- Custom authentication for healthcare professionals using a unique pin number entered using a dialer

- Elimination of manual admission process by creating a smart admission form that accurately captured all patient information

- A signature pad where patients could provide consent; this makes the process easy, efficient, standardized and hasslefree

- Patient vitals monitoring and tracking with automated alerts based on triggers

- Dashboards to holistically view all data and history provided by patients/ doctors
- Tracking of individual events and handovers
- A solution where information can be stored in the database with reporting systems and medical compliances in place

WaveMaker is one of those platforms that delivered beyond the intro video. It helped us build a serious real-life application that is being used by 1000+ health care professionals to better patient care. Without any hidden costs.

- Chandana Weerakoon, CTO, Medical Wizard

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WaveMaker is the most open, extensible and flexible Low-code Platform that complements your enterprise application delivery while keeping in mind the requirements of Software Developers, Citizen Developers/ Business Users, IT Architects and CIOs.

Start a 30-day, free trial today at www.wavemaker.com/get-started