

# Workforce Scheduling Solution to Optimize Employee Productivity & Operations

## Objective

The client's aim was to improve the operational efficiency for its healthcare organization by developing a hospital staff scheduling solution. This would help the organization in forecasting the tasks allocated to their employees right from field staff like nurses, doctors, and back-office users to top executives. In addition, the solution also needed to combine best business practices with advanced decision-making algorithms to optimize the entire healthcare service operation.

## Challenges

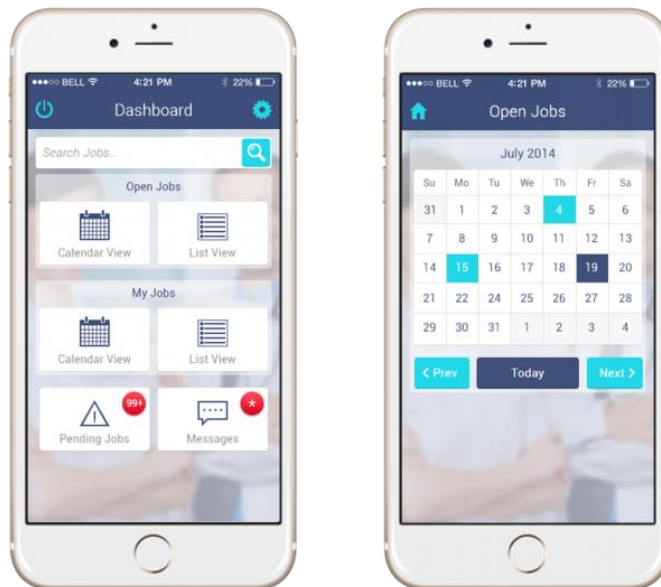
- Real-time scheduling of work and employees
- BYOD – Support for a wide range of devices
- Data security to protect critical enterprise information
- Application modernization to deliver the medical employee scheduling solution across a wide array of devices

## Approach

Resource planning is an important aspect for measuring the success of an organization. The solution was designed to manage the increase in demand of doctors and nurses while reducing the costs incurred in scheduling work. Our mobile development team chose PhoneGap as the cross platform development technology to create a healthcare scheduling software for mobile which is compatible with BYOD strategy. Any planned changes or real-time status updates from the workforce were automatically notified with the rescheduling algorithm. The solution helped to deliver a seamless user experience, minimized staffing costs and reduced complexity around staff scheduling.

## Business Benefits

- Optimized offline scheduling process in healthcare
- Increased on-time responses and job completions
- Improved productivity and decreased crew hours & overheads
- Reduced operating costs while improving service quality



## Industry Segment

Healthcare

## Customer Profile

A diversified leader in healthcare scheduling and staffing services offering comprehensive suite of staffing and outsourcing services. They have varied client base that includes 1500+ hospitals, pharmaceuticals & healthcare companies across USA

## Technology and Tools

- PhoneGap
- AngularJS
- SQLite
- Web Services

## About Rishabh Software

Rishabh Software is a CMMI 3, ISO 9001, ISO 27001, Microsoft Gold Partner & Oracle Gold Partner providing application development services & solutions to mid-sized enterprises globally through our offices in the US, UK and India. We leverage the latest technology stacks in Cloud, Mobile, Business Intelligence and other Enterprise technologies helping clients to get the best value of their IT budget. With our team of 250+ application developers, we have implemented 1000+ successful projects across 24 countries. We work on .NET, Java, PHP, iOS, Android, Oracle, IBM and Open Source technologies.



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