



MOBILE ENABLED REMOTE PATIENT CARE

For a leading healthcare technology company providing connected health solutions to hospitals in the US.



BUSINESS NEED

The customer wanted to develop a cross platform mobile solution to automate quality care delivery in remote locations. The solution should allow hospitals, care providing agencies and individual practitioners manage their operations efficiently and effectively.



TECHNOLOGY USED

- ◎ Cross Platform Enterprise Mobile Platform: Phone Gap
- ◎ Development: Eclipse IDE, HTML5, CSS3 and JQuery
- ◎ Framework & Web services: Jersey, Restful
- ◎ Database and Server: MySQL DB, Apache Tomcat
- ◎ Others: GPS, Push Notifications (Android, iPhone and Windows), SSL Configuration



BUSINESS BENEFITS

- ◎ In-built alerts, integrated patient records & physician profile for delivering a connected care
- ◎ Improved patient care, accessibility and availability
- ◎ Provide overall health monitoring and treatment



SOLUTION DELIVERED

The application is developed using HTML5, CSS, jQuery and JavaScript for cross platform support on platforms like iOS, Android and Windows. It enabled care providers on the field to deliver quick, efficient and quality care serving remote patients on their hand held devices.

The application provides a "Check-In" facility for care provider to view the list of tasks that needs to be carried out at the patient's location. The application uses GPS feature of the device to track the care giver's location whether he reached patient location or not.

The prominent features of the solution include:

- ◎ Appointment Management for hospitals and care providers
- ◎ Appointments scheduled are notified to registered care providers on their target handheld devices
- ◎ In-built map navigation for physicians to locate the patients quickly in case of emergency
- ◎ Physician profile that helps in collaborating during care delivery
- ◎ Intuitive color coding to track appointments :
 - Green - Reviewed
 - Red - Missed
 - Black - Pending

ABOUT ALTEN CALSOFT LABS

ALLEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). ALLEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi-tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. ALLEN Calsoft Labs is a part of ALLEN group, a leader in technology consulting and engineering services.

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