

# Care Monitoring and Communication Solution for Providers and Caregivers

Protocol solution for communicating clinical information reduced number of calls and faxes by 85% saving substantial amount of working hours a month.



Java, React  
Native, EHR  
integration



\$120K



3 months

## Challenge

Our client identified a need for a modern, user-friendly app for communicating clinical information from an assisted care facility to a medical practice. Currently, facility personnel and medical practices are spending a lot of time on communication. The important goal for this project is to reduce number of calls and faxes our client receives every day.

The client together with partners developed a set of protocols, in a form of documents, which are used to communicate patients' change of condition. The protocols were further simplified to optimize and enable more efficient data gathering process.

## Solution

We created a new mobile application that will enable client's personnel to gather protocol information and a web application front-end that will enable administrative personnel to review the protocol data and notify the appropriate clinician based on the urgency of situation.

App security included token based authentication schema. API architecture was designed using next-generation lightweight frameworks based on Java. Data gathering process was implemented using React Native. Application was deployed on Amazon Cloud.

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## Benefits

- We reduced the number of calls and faxes our client receives by 85%.
  - By increasing the speed of information exchange we improved overall care management system.
  - The implementation of the new workflow and the communication protocols saves a substantial amount of working hours to the clients personnel.
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