

CASE STUDY

Creating Web Solutions for Clinicians

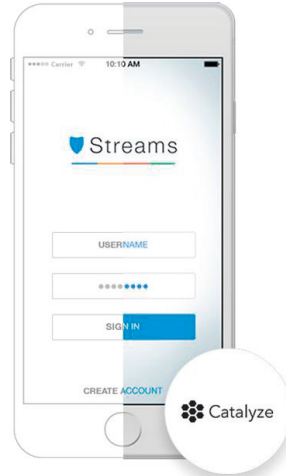
Patient Monitoring Mobile App for Clinicians

The Streams App

The Streams App offers physicians a convenient, handheld snapshot of their patient population, with new information about their patients at a glance: new lab results, emergency room visits, hospitalizations and more.

Challenge

Streams native iOS mobile app was created to allow physicians and their care teams to monitor and proactively react to events concerning their patients in real time.



With the initial goal to provide just basic notifications, the app had to be expandable to support integrations with the EHR, order entry and pharmacy systems.

Aside from an aggressive timeline, one of the key requests was ensuring full HIPAA compliance and protection of all protected health information used by the application.

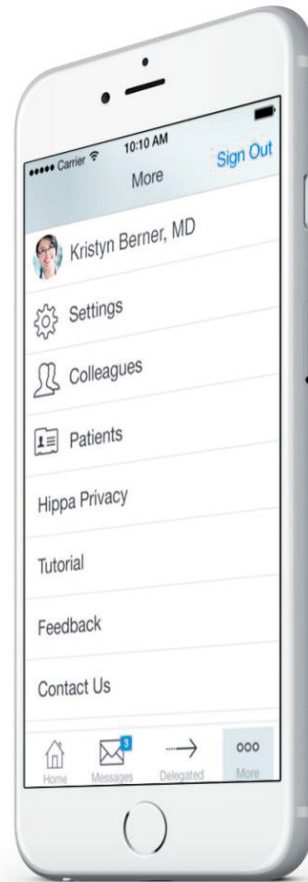
Solution

- Vicert engaged with the client to first evaluate the business needs expressed in the requirements and assure there is full clarity of the scope and alignment between the business needs and the technology solution. Once the alignment was confirmed, we worked closely with a multi-disciplinary team of clinicians and UX experts to prioritize the features in order to provide the greatest business value first.
- With project goals clearly defined, and delivered a native iOS application, backend functionality and integration interfaces, fully tested and ready for production deployment in less than 45 days.
- To meet the aggressive timeline,



mitigate risks and assure required privacy compliance, we chose to leverage the Catalyze.io platform and use its secure, HIPAA-compliant back-end product exposed through their REST API. This enabled us to:

- Reduce complexity
- Shorten development time
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- Reduce high costs
- Simplify the hosting requirement
- Expedite the quality assurance process
- We added multiple levels of security starting from authentication through the integration with a fully HIPAA-compliant back-end, to the removal of any cached data containing PHI/PII from the device on logout.



Benefits

Solution

Vicert created a mobile solution that is flexible, scalable and secure, and integrated with the fully HIPAA-compliant back-end product.

Performance

We were able to offer a high-performance application from the start so future scaling should be limited.

More secure

Building a secure health care application is complicated and can be expensive; integrating with the Catalyze platform provides a shortcut to top-notch security and privacy compliance. Improved quality and customer satisfaction
