

Overview:

The projects involved developing a healthcare application and integrating IBM Analytics to analyze data insights and manage progress. The client is a highly respected and well-established Community Health Centre in the medical industry in USA. This project enabled the client to synchronize medical reports, gather insights and improve workflows.

Client details:

Name: Confidential | **Industry:** Healthcare | **Location:** USA

Technologies:

Flask Framework, VueJS, MySQL, Salesforce Rest APIs, IBM SDK (python)

Project Description:

The Registered nurses and doctors can effortlessly follow the medical archives but faced issues in converting the reports into a particular layout for their patients. The client desired to offer its patients access to the records in a comprehensible format. After analyzing the client's need, team@Mindfire offered to develop an application and integrate IBM Analytics into it. It was critical to have an intuitive, user-friendly UI/UX that would ease the process of analyzing the records. This project enabled the client's customers to access medical history and treatment processes without prior medical knowledge. Some salient features of the application:

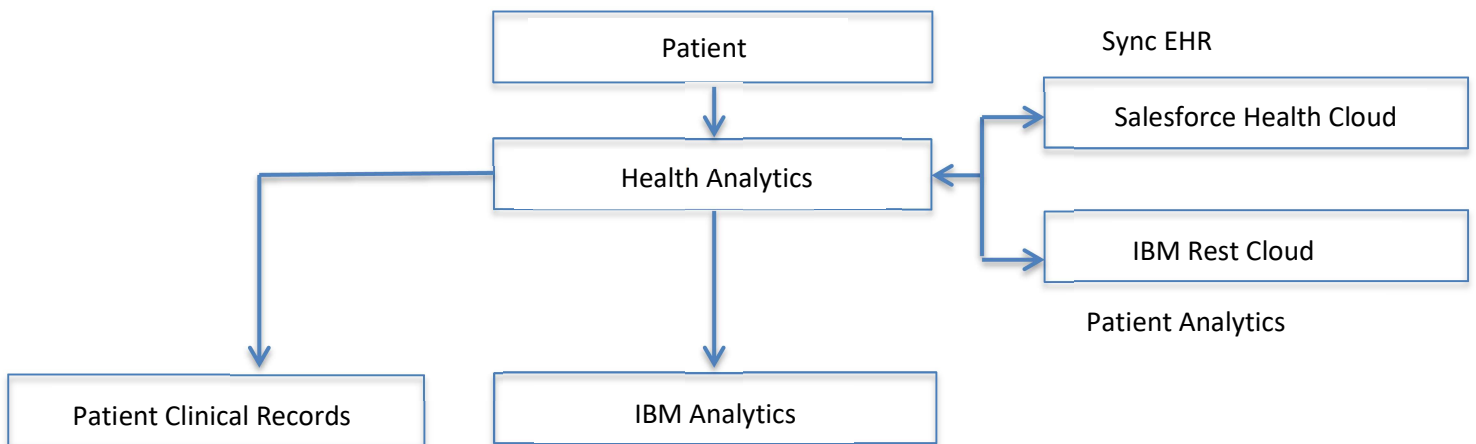
- Patients can sign in / sign up in the application. They are provided code from the admin which they can use to register.
- After signing in, the patients can view their dashboard and examine their medical history.
- IBM Analytics allows patients to create or synchronize the medical reports into Salesforce Health Cloud. It helps to store the medical data safely.

Integration with Analytics Platform



- The unstructured and structured medical data is converted into a format used by the patients. It helps them to understand the diseases and the treatment options available. In the health analytics platform, Salesforce Health Cloud was used to store the data and IBM Annotator to detect medical Metadata.
- The admin/client can add or update the clinical data from the dashboard. They can view the reports and dashboards from IBM Clinical Insights.
- The Stripe dashboard provides valuable information about the activity in the account. The client can view the stripe to analyze their patient's payment info.
- The IBM Watson Assistant service combines machine learning, natural language understanding, and an integrated dialog editor to create conversation flows between apps and users.
- The Voice Agent Assistant platform helps the client to respond to their patient's inquiries. They can feed the questions and answers to the voice assistant. The platform allows users to record audio questions, which in turn delivers the audio response.

Architecture: Health Analytics



Architecture: Voice Agent

