



Client Overview

- The client is a health-tech firm which through its Web, iOS & Android apps enables patient to play a more active role in their personal healthcare



Project Overview

- The client commissioned Indium to upgrade the legacy app to improve performance even as the user base increases, cross-platform harmonization to leverage existing back-end and incorporate upgraded features and services. This was achieved by decoupling the front-end and back-end, converting the front end from C# to Vue JS and developing additional functionality/ features into Vue JS and optimizing the back-end code



Business Challenge

- Given the rapid growth in number of active users and data volume, the client's architecture was increasingly facing severe scalability and performance issues
- New features were conceptualized to provide the customers a better user experience and it needed to be updated in the Web application
- To meet growth demands, the architecture needed to be modified so that the exiting back-end can be leveraged for the same app to be developed on other platforms (web and android)



Implementation Approach

- Decoupling the front-end and back-end
- Converting the front-end from C# to Vue JS
- Developing the additional functionality/ features in Vue JS
- Optimizing the back-end code
- Part 2 of the project entailed building the Android and Web versions of the iOS App



Tools

- Material Design, Vue JS, C#, jQuery, .NET



Solution

- Migrated the back-end by developing C# for web services and using Vue JS in the front-end with HTTP API calls to connect C# web services back-end
- Created and added a Reusable Component feature using Vue JS in the client's framework to cut down the development time
- Applied Material Design UI to the client's app made the app more fluid and visually appealing
- Developed Dashboard UI displaying metrics and KPIS
- Developed messaging & recent activity widgets using Vue components, also created fixed Layout with Sidebar, top navbar and content area at the center using Vue Templating



Business Impact

- App upgraded to a scalable architecture that elevated the performance
- The wait time to import the patient reports into the application was eliminated
- New functionality was added which lowered development costs
- The back-end was streamlined, made lighter and more secure



INDIA

Chennai | Bengaluru | Mumbai
Toll-free: 1800-123-1191

USA

Cupertino | Princeton
Toll-free: +1-888-207-5969

UK

London

SINGAPORE

+65 9630 7959