integrative systems

Offering Unique Framework Which Allows Building One Code Base To Run On Web And Mobile Application

About the Client

Serving Chicagoland since 1999, and headquartered in Morton Grove, Ill., the client is Chicago's leading recycling and waste diversion services provider. LRS was born in 2012 by way of merger between two of Chicago's strongest waste recycling companies. The client provides recycling and industry-leading waste diversion programs, affordable roll-off container services and comprehensive waste removal to businesses and residential homeowners.

Challenge

The client had embarked on building a mobile application to track safety incidents. The path which was chosen was to build a native application targeting iOS and Android. While this approach gives you the ultimate flexibility in utilizing native device features, it does come at a price.

The UI code base needed to be developed and maintained for both iOS and Android separately as each require their own platform and codinglanguage. This entailed potentially hiring multiple developers with different skill sets to maintain the application going forward. Additionally, all UI changes would have to be done twice due to two different code bases.
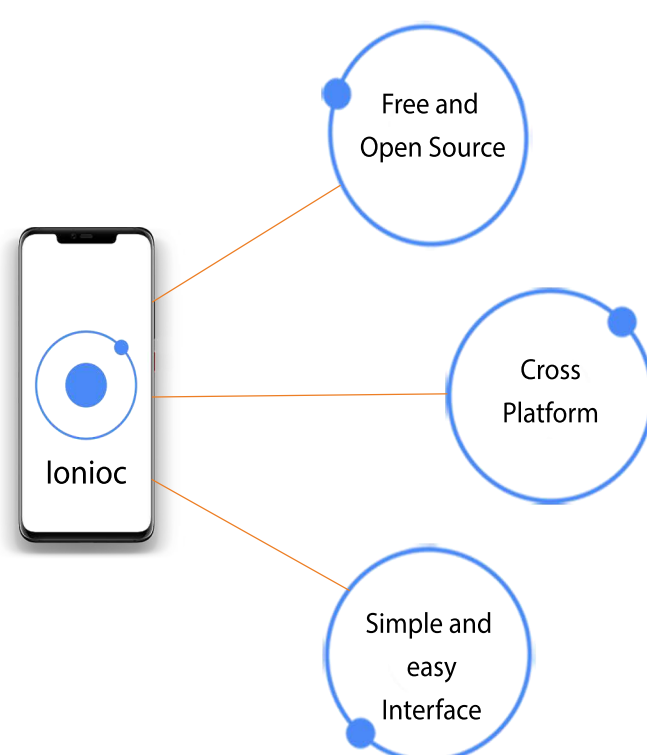
Solution

Integrative Systems believes in simple and step by step solution for complex problems with high-end quality.

Since the client did not require any unique native device features not supported by Ionic, Integrative Systems recommended using the Ionic framework which allows for building one code base that can target web deployments as well as iOS and Android; thus reducing development and maintenance efforts and costs.

Additionally, the skillset needed to develop with Ionic is more readily available, that is, the Ionic framework can be used with modern day front-end frameworks like Angular, React and Vue.

Ionioc
- Free and Open Source
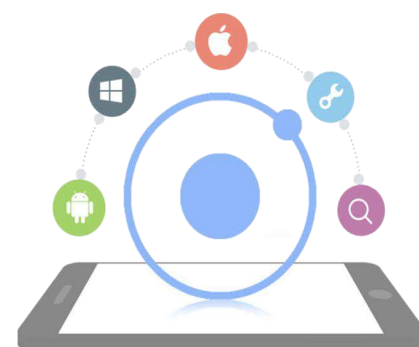- Cross Platform
- Simple and easy Interface

Business Outcomes Delivered:

In pilot phase currently; Integrative Systems delivered an incident tracking system that the client can use either via web or mobile platforms iOS and Android to create, maintain and perform analysis on safety incidents and observations.

Tools & Technology Used

Ionic framework with Angular and TypeScript
.NET C# back-end
AWS to host web site and backend web APIs
Google play store
Apple Store

About Integrative Systems

Headquartered in Chicago, IL – Integrative Systems is a 25-year-old software development and back-office services company with our Offshore Dedicated Center (ODC) in Pune, India. Our mission is to help our customers leverage "Best-in-Class" IT capabilities to drive innovation and enhance business value – resulting in increased top line revenues and better bottom line profits.

We are unique in our ability to implement transformative business solutions through the alignment of company's strategy, objectives, business capabilities, processes and technology stack. Integrative Systems has broad experience in industries such as software, technology, eCommerce, logistics, retail, education and manufacturing. Solving technological challenges for our startup clients as well as enterprise companies is the essence of our approach when it comes to custom application development services. With our expertise, we have served clients from the range of $6 billion to $100 billion.

Disclaimer