

.Net to Salesforce AppExchange App Migration

Customer Overview

Our customer provides a product lifecycle app that supplies large manufacturing and retail companies with a set of tools designed to help enable real-time coordination of sourcing, sustainability, safety and other initiatives across their supply chain and network of trade partners. They also provide the tools to help enable manufacturing customers to properly manage audit of manufactured products to ensure compliance with state and federal regulations.

Challenge

Our customer's core goal is to make communications easier for all parties involved in the supply chain through a system to enable management of tasks, due dates, alerts and other important operations. To do this seamlessly, they chose to migrate their .NET application to the Salesforce platform to better leverage the Salesforce AppExchange. To do this properly and optimize everything within the new environment, they needed help. They began the migration with another Salesforce partner, but the project had not gone as smoothly as planned - our customer was unhappy with the quality of the app developed.

Solution

We determined there were two main objectives: improve core infrastructure, where all communication occurs, and improve product testing. To start, we needed to map out the first attempted migration so we could understand what needed to be addressed. We then began to refactor the code, on Salesforce, to resolve the identified issues.

We developed a new front-end for the AppExchange app on the Lightning Platform using Visualforce, Apex and Angular. As part of the migration, our customer had ported its database to Heroku. While their development team worked to maintain the database, we utilized the APIs they had built to connect this database to Salesforce to complete the full integration.

We also provided QA engineering services on this project. At the beginning, we were to support the customer's QA team but, as the project grew, we took the lead on QA. Our QA process was found to be more efficient and allowed the integration teams to iterate more quickly.

Our customer's core development team managing the AppExchange package is based in San Francisco which meant our team worked within their time zone to facilitate a high level of collaboration throughout the duration of the project.

Results

As a result of our partnership, the company is now in a position to work more efficiently in terms of both business and development - they have been able to grow and serve much larger companies like Walmart and Hanes.

We continue to support their growth by providing new ideas and solutions to their problems. We are currently engaged in ongoing support projects including app customization based on customer requests.