

Custom Application Development

Replacing Legacy Business Applications and Enabling Digital Transformation

Improve user journey experience and add web responsive design

OVERVIEW

A cooperative business serving large customers engaged Oakwood to redesign a legacy web application. A new user experience was desired to simplify user interactions within the application. Web responsive design was needed to be tablet and mobile-friendly for technicians out in the field.

CHALLENGE

With external stakeholders involved in the application for daily operations a large group of interested parties were engaged in defining the user journey. With each having different concerns and priorities, the project faced a number of challenges.

SOLUTION

Oakwood has conducted an internal review of operational procedures, stakeholders, and technical capabilities to craft an application development plan. From there, our consultants developed a custom application using the latest React Framework and built out a new API.

Due to the technical specifications chosen, the client now can migrate their application into the latest Microsoft Azure Cloud technologies – giving them the ability to achieve a true digital transformation. The solution achieved an improved user experience, scalable API's, and API's that could communicate with legacy on-premise services that have not yet been moved to the cloud.

PROFILE

Large and medium sized companies have engaged Oakwood to replace legacy applications and provide insights into improving user journeys.

SUMMARY

Business Challenge:

Legacy business applications were not responsive on mobile devices and the user journey experience was not optimized for maximum user efficiency.

Solution:

- Custom built application leveraging the latest in web technology
- Built using React Framework and uses SQL Server via a custom API

Benefits:

- Improved overall performance of the application
- Improved usability and adoption with the business' stakeholders leveraging the SaaS offering
- Enabled the future transition to Azure Cloud Services