PUMEX

National Equity Fund

Mobile GIS App

CASE STUDY

About the National Equity Fund

The National Equity Fund (NEF) is a nonprofit Chicago-based affiliate of the Local Initiatives Support Corporation and a leading syndicator of Low-Income Housing Tax Credits (LIHTC). They play an integral role in creating affordable housing options, revitalizing communities, and strengthening local economies.

National Equity Fund™ INC
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Executive Summary

Pumex developed a mobile app on the Xamarin cross-mobile platform that integrated with the ArcGIS mapping tool. This interactive app allows users to search graphically as well as by census tract, program sponsor, program name, and location.

The Challenge

NEF needed assistance developing a user-friendly mobile app that allowed its users to easily navigate the locations of each of the NEF real estate projects. NEF chose the Xamarin platform for their mobile app. Optimal performance and system stability were of the utmost importance due to the dynamic capabilities the app needed to have.

The Solution

Despite several challenges presented with developing a mobile GIS app with the Xamarin platform, Pumex was able to deliver a fully functioning app within the designated timeframe and budget. Pumex performed an extensive requirement gathering process to cut down on potential scope creep from evolving features, making it easier to develop the app and help the client maintain controls on cost.

Immediate Results

- **Customizable mobile app** – End-users of the NEF mobile application can customize the layers that will be displayed.

- **App speed and stability** – Pumex built in optimizations to ensure that the corresponding KML files were downloaded to the user's device on-load to ensure faster access and improved application stability.

- **Android or iOS functionality** – Due to the choice of using Xamarin, the mobile app will operate on any platform (Android or iOS) a user chooses while only using a single code base.

- **Native app effects** – Since Xamarin can access the phone's native API's, this results in faster development time, easier maintenance, lower development costs.

Next Steps

For more information on how Pumex can help your company develop a mobile app with improved efficiency and within your budget, visit us at **www.pumexcomputing.com** and click our 'Contact Us' link!