flyexclusive

About the Company

The company is a premier owner/operator of private jet experiences, delivering exceptional quality, convenience, and safety. It offers an exclusive Jet Club and unparalleled private jet charters, ensuring a bespoke travel experience. With decades of flying experience and industry expertise, the leadership team expertly manages fleet logistics.

The Problem Statement

The company requires a dedicated mobile application for its private aircraft pilots to enhance their operational efficiency. Currently, there is no application that provides pilots with comprehensive information necessary for their next flights. Pilots need real-time details on upcoming flights, including multiple legs and flight durations. Also, the application should enable users to identify and book empty legs, optimizing use of available resources.

The Challenge

The main challenge was displaying detailed flight information and maps on a small iPad screen, including upcoming flights, multiple legs, and durations. The application needed to be fully cloud-based, utilizing Azure for all aspects, including database management and application code. Ensuring clarity, usability, and seamless real-time updates were critical for enhancing pilot and user experiences.

The Solution

To address the challenges, Spiralogics developed an iOS application for pilots and a cross-platform application supporting Android, and iOS for empty legs passengers:

Pilot Application:

- Provides details on upcoming flights, including duration and multiple legs.
- Displays total flight hours and essential pre-flight information.
- Includes chat and map features for enhanced communication and navigation.
- Ensures pilots have all necessary information for efficient flight preparation.

Empty Legs Application:

- Identifies empty legs where pilots fly without passengers.
- Offers these flights to users at discounted rates, boosting company revenue.
- Collects location data and notifies users of available empty flights nearby.
- Allows users to book empty leg flights, offering cost-effective travel options.

Tech Stack

The tech stack for the Pilot application included Swift for iOS development and .NET MVC with MSSQL for backend development. For the Empty Legs application, React Native was employed for both iOS and Android platforms, alongside .NET MVC with MSSQL for backend.