CONVERSION OF API SERVICE PROVIDER

FOR AIRLINE BUSINESS

HIGHLIGHTS

1 **Knowledge about API Systems for Aviation Businesses**

Luvina's experience and capability in implementing and operating API systems enabled us to easily assist our client in comparing the differences between API providers.

2 **Experience in Implementing Projects Applying the .NET Platform**

We have years of experience in implementing projects applying the .NET platform, especially in web service conversion.

PROJECT OVERVIEW

In this project, Luvina acted as an intermediary to compare APIs between two API providers for a travel agency. We analyzed, compared, and summarized to help the client decide on the best provider and appropriate conversion plan with the new API provider.

Country: Japan
Services: POC and Software Development
Industry: Aviation (Flight Booking)
Technology: .NET; Languages: C#, VB.NET

1 **General Introduction:**

Our client is a renowned SI company in Japan, responsible for the project transformation of API providers for a major airline in Japan. Before proceeding with the conversion, they requested Luvina analyze and compare the two API providers for end-users.

Our client is one of Luvina's long-standing strategic partners. We are honored to become an F-partner with this client, and we expect the relationship between Luvina and the client to become even stronger.

2 **Customer Requirements:**

After research and evaluation between the two providers that end-users were considering, Luvina was tasked with developing a demo to determine the feasibility of the program when switching to the new API provider.

CHALLENGES & SOLUTIONS

CHALLENGES

01 Luvina was unable to access the end-user environment to evaluate system functionality while mapping APIs to the system. Without access to the development environment, we were forced to depend entirely on the documentation.

02 The old web service just had individual classes and no comprehensive development sources, which made it difficult for Luvina to understand and convert to the new web service.

SOLUTION

In the absence of a development environment and incomplete development sources, Luvina sought to understand the documentation of both the old and new service providers. We also supplemented specialized perspectives with knowledge of aviation operations to create a complete API mapping file between the two service providers..

ACHIEVEMENTS

With the help of Luvina's API mapping documentation, our client was able to evaluate potential challenges throughout the conversion process and talk with end users about the system's conversion possibilities. We leveraged our knowledge and capabilities in aviation operations to advise and improve the airline system.