

Migration & Modernization of a Hotel Booking System

For a South American travel & hospitality solutions provider to improve application performance and scalability



PROJECT OVERVIEW

The customer was seeking front-end migration of their hotel booking system from Silverlight to Angular as part of their digital transformation strategy.

<p>Capability</p> <p>Product Engineering</p>	<p>Industry</p> <p>Travel & Hospitality</p>	<p>Country</p> <p>Brazil</p>
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KEY FEATURES

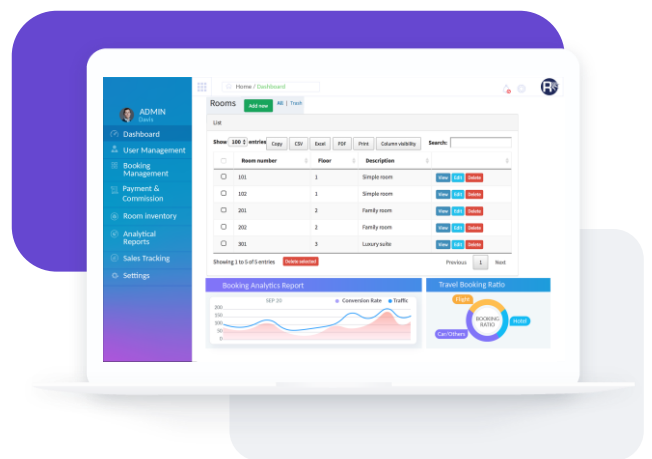
The modernized, secure booking engine now covers every aspect of a hotel reservation software. It made room-booking far more convenient for the customers and increased the profitability of the hotel.

▶ **Simplified booking**
Easy navigation enables travelers with a convenient option to register, cancel, or alter the individual/group bookings from a mobile or desktop platform

▶ **Room inventory dashboard**
A centralized repository with real-time access to hotel information, room inventory and more while eliminating the discrepancies of rates and availability

▶ **Easy to find information**
Distraction-free design helps reduce the challenge for searching details such as room descriptions, rates and amenities

▶ **Improved marketing avenues**
The optimized website helped increased conversion rates with enhanced upselling & cross-selling opportunities for in-built sales & marketing initiatives



CHALLENGES

- ▶ Migration of containers from outdated Silverlight to new-age Angular
- ▶ Lack of support from Microsoft for legacy Silverlight technology
- ▶ Complex processes cross-border legal & currency aspects that need incorporation in the solution
- ▶ Rigorous testing of the system performance and verification of API response with no in-house skill with client

SOLUTION

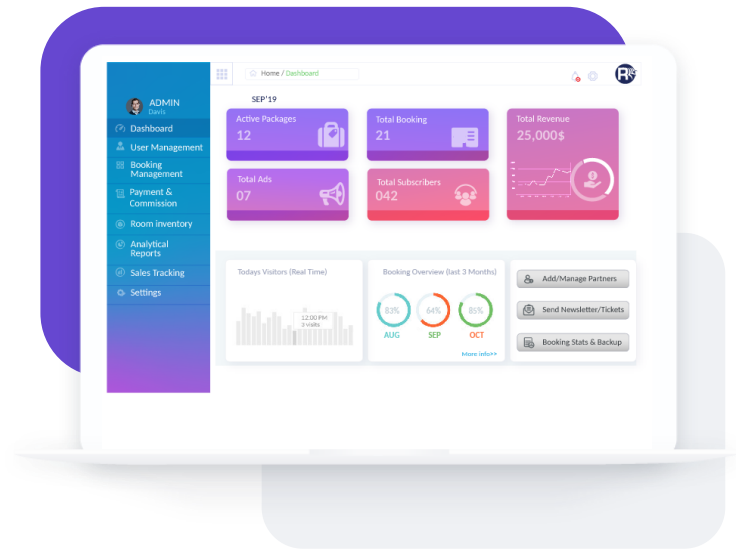
Rishabh's team made the application scalable, faster, user-friendly and secure. We thoroughly analyzed the existing application architecture, RESTful API contracts and then developed custom templates and containers using Angular technology.

▶ Agile approach

Executed the migration strategy with a top to down approach by keeping the process concise and addressing the common pain points for the ongoing transformation

▶ Migration

Analyzed the MVVM patterns that offer separation between app logic & UI to provide the same functionalities of the existing application with developed reusable components, followed by application testing & code quality review

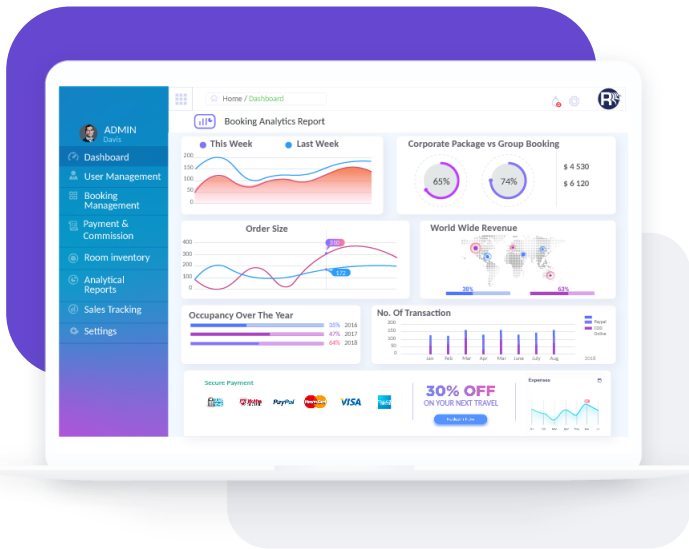


▶ Modernization

We implemented multiple features supported by Angular / Typescript, including lazy loading, strict typing, model-driven API calls and more to make the application easier to use, test, maintain and evolve

▶ Responsiveness

The responsive layout helped offer a holistic hotel booking system, with interactive plug and play widgets, competitor's rate analysis tool, meta-search connectivity and more



TECHNOLOGIES & TOOLS



BENEFITS

45%

boost in yearly revenue

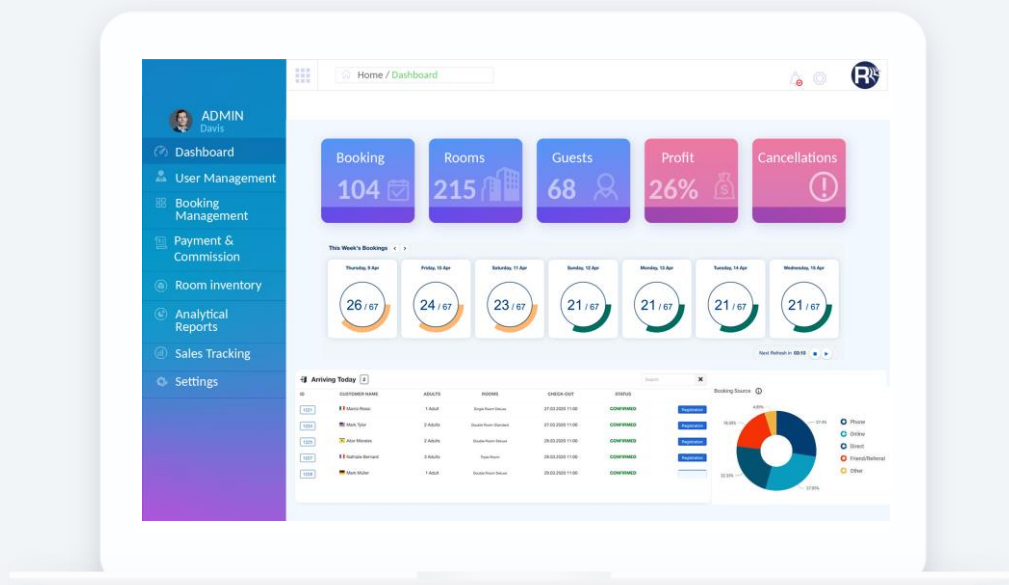
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duplicate inventory posting with centralized application management

99.9%

uptime with online availability

PROJECT SNAPSHOTS



ABOUT RISHABH SOFTWARE

We are a global provider of enterprise-grade web, mobile, cloud, and analytics solutions. As a CMMI Level 3, ISO 9001 and 27001 certified software development company, we have two decades of service excellence delivering 1000+ successful projects globally, including the USA, UK, Europe, Middle East, and Australia.

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