



# Vacation Rental Platform – MVP Version

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# Introduction to the Project

This presentation outlines the development of a Minimum Viable Product (MVP) for a custom vacation rental platform. Our goal was to create a tailored solution that addresses common challenges in property management, focusing on efficiency and cost-effectiveness.

# Technologies Used



## Next.js

React framework for production. Offers server-side rendering and static site generation.



## Node.js & Nest.js

Robust backend runtime and framework. Provides a scalable and maintainable server-side architecture.



## Prisma ORM & PostgreSQL

Modern database toolkit and powerful open-source relational database. Ensures efficient data management.



## Tailwind CSS

Utility-first CSS framework. Enables rapid UI development with responsive designs.



## REST APIs & JWT

Standard for web services and secure authentication. Facilitates seamless communication and data security.



## EmailJS

Client-side email service. Powers direct booking request submissions.

# The Problem

Our client faced significant challenges managing multiple rental properties. Relying on external platforms like Airbnb or Booking meant high commission fees and limited control over their listings.

They needed a centralized, cost-effective, and customizable solution. A custom application would provide direct control over bookings and content.



High commissions and lack of control.

# The Solution

## 1 Centralized Property Showcase

A custom web application was developed. It consolidates all properties in one accessible place.

## 2 Detailed Property Pages

Each property has its own page. It includes a photo gallery and an availability calendar.

## 3 Simple Booking Requests

Users can easily submit booking requests. The form is responsive and user-friendly.

## 4 Protected Admin Dashboard

An intuitive admin dashboard was built. It allows the client to manage availability and content efficiently.

## 5 Scalability for Future Growth

The architecture supports future enhancements. Features like user logins and automated workflows can be added.



# Results & Key Takeaways

## Enhanced Professionalism

The centralized platform significantly improved the client's brand. It offered a more professional appearance.

## Reduced Third-Party Dependency

Direct bookings became possible. This decreased reliance on external, commission-based platforms.

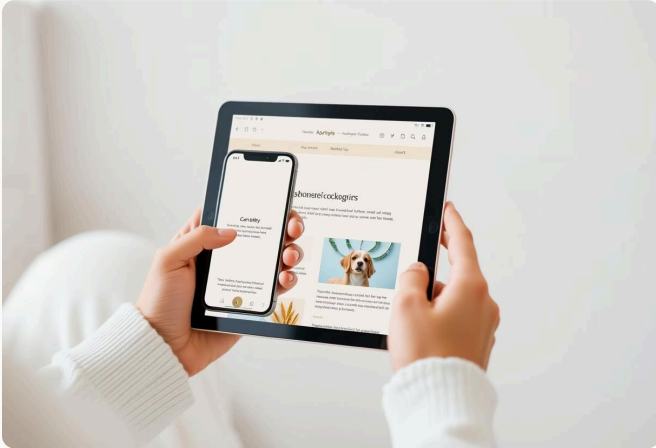
## User-Friendly Administration

The admin dashboard simplifies property management. It is designed for non-technical users.

## Cost-Effective MVP

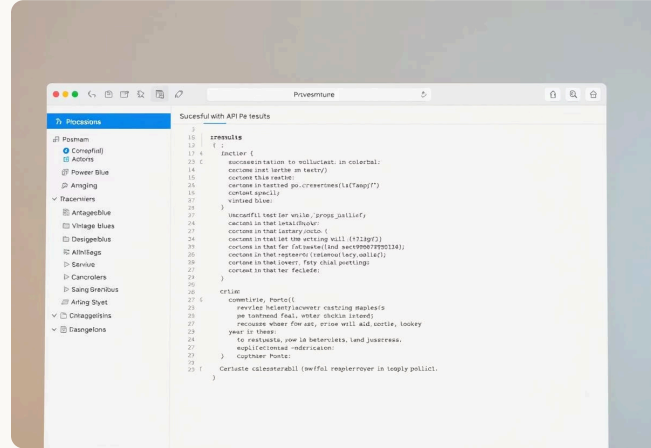
A lightweight MVP was delivered within budget. It provides a solid foundation for expansion.

# Testing & Validation



## Manual QA and Device Testing

Rigorous manual quality assurance was performed. We tested across various real devices, including mobile and desktop, ensuring a consistent user experience.



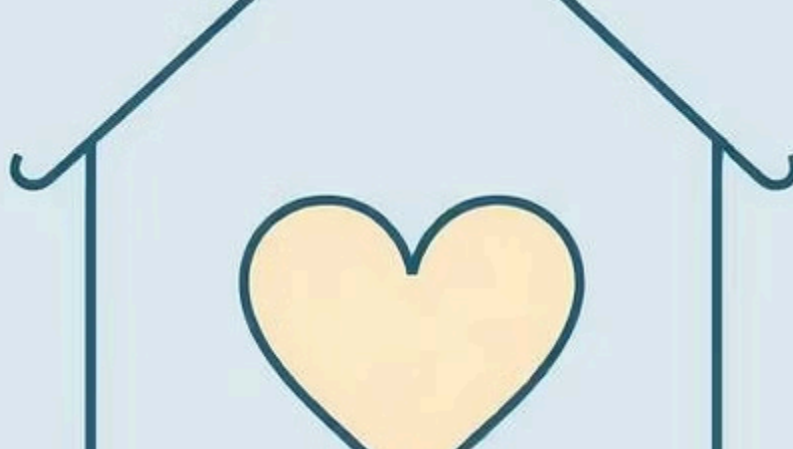
## Backend and Endpoint Testing

All backend logic and API endpoints were thoroughly tested using Postman. This ensured data integrity and reliable system performance.



## Client Feedback Sessions

Regular user feedback sessions were conducted with the client. Their input guided iterative improvements, ensuring the app met their specific usability needs.



# Thank You

Interested in building something custom and scalable? Let's talk.

[Contact Us](#)[Github](#)