



Vehicle Parking Management



Team Composition:

4 Senior Engineers, 1 Project Manager, 2 QA Automation Engineers,



Project Duration:

1.4 years
(Dedicated Team)



Tech Stack:

Ruby on Rails,
React JS

Project Overview

Pavemint is a Los Angeles-based **parking management software** that connects parking space owners with users seeking reservations for events or daily needs. With a user-friendly interface and tailored solutions, **Pavemint enhances convenience and efficiency in parking management.**

Business Challenges

- Develop a **real-time parking management system** for seamless event and daily operations.
- Build a **scalable platform to handle demand surges** during major events.
- **Implement geolocation for finding nearby parking spots** and real-time navigation.
- Design a **dynamic pricing model** based on demand, time, and event schedules.
- Ensure an **intuitive web and mobile interface** for quick search, booking, and payment.

Solutions Delivered

- **Geo-tagging** enabled users to locate nearby parking spots effortlessly.
- Developed a parking management system with **Stripe payment integration.**
- Created a **user-friendly mobile app** for booking and vacating parking spaces.
- **Integrated QR functionality** to streamline valet and event parking operations.

Results & Impact

- **3M+ Users Onboarded** (Individuals & Organizations)
- **80% Reduction** in Processing Time
- **70% Increase** in Booking Accuracy
- **98% Increase** in Customer Satisfaction
- **Seamless Scalability** to Manage Demand Surges

Conclusion

- **Techverx empowered Pavemint with a scalable, secure, and user-friendly platform** that revolutionized parking management, enhancing operational efficiency and customer satisfaction.