

# ParkingSpots Platform

## Software Development Proposal & Agreement

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**Prepared For:** [Client Name]

**Prepared By:** [Your Company Name]

**Date:** February 9, 2026

**Proposal Valid Until:** March 9, 2026

**Document Version:** 1.0

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### 1. Executive Summary

We are pleased to present this proposal for the development of **ParkingSpots** — a comprehensive peer-to-peer parking rental marketplace platform. This solution will enable property owners to monetize their unused parking spaces while providing users with a seamless mobile experience to find, book, and pay for parking.

### Value Proposition

Benefit	Impact
<b>New Revenue Stream</b>	Earn from every transaction on the platform
<b>Scalable Solution</b>	Architecture supports millions of users
<b>Market Opportunity</b>	\$5B+ parking marketplace industry
<b>First-Mover Advantage</b>	Launch quickly with complete solution
<b>Full Ownership</b>	You own 100% of the codebase

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### Investment Options

Choose the payment structure that fits your business:

Option	Upfront Fee	Revenue Share	Recommended
<b>Option 1</b>	€20,000	20%	Balanced
<b>Option 2</b>	€15,000	25%	Lower initial cost
<b>Option 3</b>	€25,000	15%	Lower ongoing share

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## 2. Project Overview

### 2.1 The Problem

- Urban parking is scarce and expensive
- Private parking spaces sit unused for hours daily
- No easy way to connect parking owners with drivers
- Existing solutions are limited to commercial parking only

### 2.2 The Solution

ParkingSpots is a two-sided marketplace that:

1. **For Parking Owners:** Provides tools to list, manage, and earn from their parking spaces
2. **For Drivers:** Offers a mobile app to discover, book, and pay for convenient parking

### 2.3 Target Users

User Type	Description	Needs
<b>Property Owners</b>	Homeowners, businesses, churches, schools	Monetize unused parking
<b>Daily Commuters</b>	Office workers, students	Reliable daily parking
<b>Event Attendees</b>	Sports fans, concertgoers	Parking near venues
<b>Urban Drivers</b>	City residents, visitors	Affordable short-term parking

## 3. Scope of Work

### 3.1 Included Features

#### User Management

- [YES] User registration & authentication
- [YES] Profile management
- [YES] Role-based access (Renter, Owner, Admin)
- [YES] Password reset & security

#### Parking Spot Management

- [YES] Create, edit, delete listings
- [YES] Photo upload support
- [YES] Pricing configuration (hourly/daily/monthly)
- [YES] Availability scheduling
- [YES] Amenity metadata (EV charging, covered, etc.)

#### Search & Discovery

- [YES] Location-based search with map view
- [YES] Advanced filters (price, type, amenities)
- [YES] Distance calculations
- [YES] Real-time availability display

## **Booking System**

- [YES] Instant booking flow
- [YES] Price calculation engine
- [YES] Booking management (upcoming, active, past)
- [YES] Check-in/check-out tracking
- [YES] Cancellation handling

## **Payment Processing**

- [YES] Secure payment via Stripe
- [YES] Automatic owner payouts
- [YES] Refund processing
- [YES] Transaction history

## **Reviews & Ratings**

- [YES] 5-star rating system
- [YES] Written reviews
- [YES] Owner response capability
- [YES] Rating aggregation

### **3.2 Exclusions**

The following are not included in this proposal:

- [NO] Custom admin dashboard (can be added for additional fee)
  - [NO] SMS/Push notification service integration
  - [NO] Customer support chat system
  - [NO] Marketing website/landing pages
  - [NO] App Store submission fees
  - [NO] Ongoing server hosting costs
  - [NO] Third-party service subscription fees
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## **4. Deliverables**

### **4.1 Complete Deliverables List**

#	Deliverable	Description
1	<b>Backend API</b>	Complete FastAPI server with all endpoints
2	<b>Database Schema</b>	PostgreSQL database with all tables
3	<b>Mobile App (iOS)</b>	React Native app ready for App Store
4	<b>Mobile App (Android)</b>	React Native app ready for Play Store
5	<b>API Documentation</b>	Full Swagger/OpenAPI documentation
6	<b>Technical Documentation</b>	Architecture and deployment guides
7	<b>Source Code</b>	Complete, commented source code
8	<b>Deployment Guide</b>	Step-by-step deployment instructions

### **4.2 Source Code Components**

Delivered Package:

```
|---- backend/                      # Python/FastAPI Backend
|   |---- app/                      # REST API endpoints
|   |   |---- api/
```

```

|   |   |---- core/           # Configuration & security
|   |   |---- db/             # Database configuration
|   |   |---- models/          # Data models (6 models)
|   |   \---- schemas/         # API schemas
|   \---- requirements.txt    # Python dependencies
|   \---- Dockerfile          # Container configuration

|
\---- mobile/                 # React Native Mobile App
|   \---- src/
|       |---- screens/        # 6+ app screens
|       |---- components/      # Reusable UI components
|       |---- services/         # API integration layer
|       |---- stores/          # State management
|       \---- navigation/       # App navigation
|   \---- App.tsx              # Application entry
|   \---- package.json         # Node dependencies
|
\---- documentation/          # All Documentation
    \---- README.md
    \---- TECHNICAL_DOCUMENTATION.md
    \---- API_REFERENCE.md

```

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## 5. Technology Stack

### 5.1 Technology Choices

Layer	Technology	Industry Standard	Rationale
Backend	Python + FastAPI	[YES] Yes	High performance, auto-documentation
Database	PostgreSQL	[YES] Yes	Reliable, scalable, feature-rich
Mobile	React Native	[YES] Yes	Cross-platform, native performance
Payments	Stripe	[YES] Yes	Industry leader, marketplace support
Maps	Google Maps	[YES] Yes	Best coverage, reliable
Hosting	AWS/GCP	[YES] Yes	Enterprise-grade infrastructure

### 5.2 Architecture Benefits

- Scalable:** Handles growth from 100 to 1,000,000+ users
  - Secure:** Industry-standard encryption and authentication
  - Maintainable:** Clean code architecture for easy updates
  - Cross-Platform:** Single codebase for iOS and Android
- 

## 6. Development Cost Analysis

### 6.1 Market Rate Comparison

The following represents typical market pricing for developing a complete parking marketplace platform like ParkingSpots:

#### Component Breakdown

Component	Market Price
<b>Backend API Development</b>	\$40,000
<ul style="list-style-type: none"> <li>• FastAPI server with async architecture</li> <li>• PostgreSQL database design &amp; implementation</li> <li>• JWT authentication &amp; security</li> <li>• User management system</li> <li>• Parking spots CRUD &amp; search (location-based)</li> <li>• Instant booking system</li> <li>• Stripe payment integration</li> <li>• Automated payout system</li> <li>• Reviews &amp; ratings system</li> <li>• Real-time availability (WebSocket/Redis)</li> <li>• API documentation</li> </ul>	
<b>Mobile App Development</b>	\$48,000
<ul style="list-style-type: none"> <li>• React Native for iOS &amp; Android</li> <li>• Full navigation architecture</li> <li>• Authentication &amp; user management</li> <li>• Interactive map with search</li> <li>• Advanced filtering system</li> <li>• Instant booking flow</li> <li>• Stripe payment UI integration</li> <li>• User profiles &amp; settings</li> <li>• Reviews &amp; ratings interface</li> <li>• State management (Zustand)</li> <li>• Push notifications setup</li> </ul>	
<b>UI/UX Design</b>	\$8,000
<ul style="list-style-type: none"> <li>• User interface design for all screens</li> <li>• User experience optimization</li> <li>• Brand identity elements</li> </ul>	
<b>Technical Documentation</b>	\$3,000
<ul style="list-style-type: none"> <li>• Complete technical documentation</li> <li>• API reference documentation</li> <li>• Deployment guides</li> </ul>	
<b>DevOps &amp; Deployment</b>	\$5,000
<ul style="list-style-type: none"> <li>• Docker containerization</li> <li>• Database setup &amp; optimization</li> <li>• CI/CD pipeline configuration</li> <li>• Environment setup</li> </ul>	
<b>Quality Assurance</b>	\$8,000
<ul style="list-style-type: none"> <li>• Comprehensive testing (unit, integration)</li> <li>• Bug fixes &amp; optimization</li> <li>• Cross-platform testing</li> <li>• Performance optimization</li> </ul>	

## 6.2 Total Market Value

Category	Cost
Backend API Development	\$40,000
Mobile App Development	\$48,000
UI/UX Design	\$8,000
Technical Documentation	\$3,000
DevOps & Deployment	\$5,000

Category	Cost
Quality Assurance	\$8,000
<b>Total Market Value</b>	<b>\$118,000</b>

### 6.3 Your Investment Options

Choose the payment structure that best fits your business model:

#### Option 1: Balanced Partnership

- **Upfront Fee:** €20,000
- **Revenue Share:** 20% ongoing
- **Your Savings:** €98,000 (83% vs market)
- **Best For:** Balanced risk/reward with moderate upfront investment

#### Option 2: Lower Initial Investment

- **Upfront Fee:** €15,000
- **Revenue Share:** 25% ongoing
- **Your Savings:** €103,000 (87% vs market)
- **Best For:** Minimizing initial capital while sharing more growth upside

#### Option 3: Higher Upfront, Lower Share

- **Upfront Fee:** €25,000
- **Revenue Share:** 15% ongoing
- **Your Savings:** €93,000 (79% vs market)
- **Best For:** Maximizing long-term profitability with higher initial investment

**Note:** All options include the complete platform with identical features and quality. The significantly reduced development fee is offset by the revenue sharing agreement, creating a win-win partnership where both parties benefit from the platform's success.

## 7. Investment & Payment Terms

### 7.1 Fee Structure Options

Select one of the following investment structures:

#### Option 1: €20,000 + 20% Revenue Share   A. Development Fee: €20,000

Milestone	Percentage	Amount	Due
Project Kickoff	30%	€6,000	Upon signing (February 2026)
Backend Completion	30%	€6,000	End of March 2026
Mobile App Completion	30%	€6,000	End of May 2026
Final Delivery	10%	€2,000	June 2026
<b>Total</b>	<b>100%</b>	<b>€20,000</b>	

#### B. Revenue Share: 20% of Net Platform Revenue

**Option 2: €15,000 + 25% Revenue Share****A. Development Fee: €15,000**

Milestone	Percentage	Amount	Due
Project Kickoff	30%	€4,500	Upon signing (February 2026)
Backend Completion	30%	€4,500	End of March 2026
Mobile App Completion	30%	€4,500	End of May 2026
Final Delivery	10%	€1,500	June 2026
<b>Total</b>	<b>100%</b>	<b>€15,000</b>	

**B. Revenue Share: 25% of Net Platform Revenue****Option 3: €25,000 + 15% Revenue Share****A. Development Fee: €25,000**

Milestone	Percentage	Amount	Due
Project Kickoff	30%	€7,500	Upon signing (February 2026)
Backend Completion	30%	€7,500	End of March 2026
Mobile App Completion	30%	€7,500	End of May 2026
Final Delivery	10%	€2,500	June 2026
<b>Total</b>	<b>100%</b>	<b>€25,000</b>	

**B. Revenue Share: 15% of Net Platform Revenue**

**Definition of Net Platform Revenue** (applies to all options): - Total booking revenue collected through the platform - MINUS payment processor fees (typically 2.9% + \$0.30) - MINUS refunds issued - MINUS chargebacks

**Revenue Share Comparison Examples:**

Monthly Gross Revenue	Net Revenue	Option 1 (20%)	Option 2 (25%)	Option 3 (15%)
€10,000	€9,700	€1,940	€2,425	€1,455
€50,000	€48,500	€9,700	€12,125	€7,275
€100,000	€97,000	€19,400	€24,250	€14,550
€500,000	€485,000	€97,000	€121,250	€72,750

**7.2 Revenue Share Terms**

1. **Reporting Period:** Monthly, ending on the last day of each calendar month
2. **Payment Due:** Within 15 days of month end
3. **Reporting:** Client provides monthly revenue report with transaction details
4. **Audit Rights:** Developer may audit records once per year with 30 days notice
5. **Minimum Term:** Revenue share applies for 5 years from launch date
6. **Buyout Option:** Client may terminate revenue share with a one-time payment equal to 24 months of average revenue share (based on trailing 12 months)

**8. Project Timeline****Project Start:** February 2026**Final Delivery:** June 2026**Total Duration:** 16 weeks

## 8.1 Development Schedule

Weeks 1-4 (February 2026): Backend Foundation & Development

- |---- Environment configuration
- |---- Database schema implementation
- |---- Core authentication system
- |---- User management API
- |---- Parking spots CRUD API
- |---- Search & filtering system
- |---- Booking system implementation
- \---- Payment integration (Stripe)

Weeks 5-8 (March 2026): Backend Completion & Mobile Setup

- |---- Automated payout system
- |---- Reviews & ratings system
- |---- API documentation & testing
- |---- Mobile project setup
- |---- Navigation architecture
- \---- Authentication screens

Weeks 9-12 (April-May 2026): Mobile App Development

- |---- Home screen with interactive map
- |---- Search & listing screens
- |---- Booking flow implementation
- |---- Payment integration
- |---- User profile & settings
- \---- Reviews system UI

Weeks 13-16 (May-June 2026): Testing, Refinement & Delivery

- |---- Integration testing (backend + mobile)
- |---- Cross-platform testing (iOS & Android)
- |---- Bug fixes & optimization
- |---- Performance tuning
- |---- Documentation finalization
- |---- Deployment setup
- \---- Final delivery & handoff

## 8.2 Milestone Schedule

Milestone	Timeline	Deliverable
<b>M1: Kickoff</b>	February 2026	Project start, requirements confirmed
<b>M2: Backend Complete</b>	End of March 2026	All backend APIs functional & tested
<b>M3: Mobile Alpha</b>	End of April 2026	Core mobile screens complete
<b>M4: Mobile Complete</b>	End of May 2026	All mobile features implemented
<b>M5: Final Delivery</b>	June 2026	Fully tested, documented, delivered

## 9. Ongoing Costs & Maintenance

### 9.1 Third-Party Service Costs (Client Responsibility)

Service	Provider	Estimated Monthly Cost
<b>Cloud Hosting</b>	AWS/GCP/DigitalOcean	\$50 - \$500*
<b>Database</b>	Managed PostgreSQL	\$15 - \$100*
<b>Redis Cache</b>	Managed Redis	\$15 - \$50*
<b>Payment Processing</b>	Stripe	2.9% + \$0.30 per transaction
<b>Maps API</b>	Google Maps	\$200/month (after free tier)
<b>Email Service</b>	SendGrid/AWS SES	\$15 - \$50*
<b>Push Notifications</b>	Firebase	Free tier usually sufficient
<b>SSL Certificate</b>	Let's Encrypt	Free
<b>Domain Name</b>	Any registrar	\$12 - \$50/year

\*Costs scale with usage

## 9.2 Estimated Monthly Operating Costs

Stage	Users	Bookings/Month	Est. Hosting	Est. APIs	Total
<b>Launch</b>	< 1,000	< 500	\$100	\$50	~\$150/mo
<b>Growth</b>	1,000 - 10,000	500 - 5,000	\$300	\$200	~\$500/mo
<b>Scale</b>	10,000 - 100,000	5,000 - 50,000	\$1,000	\$500	~\$1,500/mo
<b>Enterprise</b>	100,000+	50,000+	\$3,000+	\$1,000+	~\$4,000+/mo

## 9.3 Optional Maintenance Package

Package	Monthly Fee	Includes
<b>Basic</b>	\$500/mo	Bug fixes, security patches
<b>Standard</b>	\$1,500/mo	Basic + minor feature updates, hosting management
<b>Premium</b>	\$3,500/mo	Standard + priority support, major updates, 24/7 monitoring

## 10. Terms & Conditions

### 10.1 Intellectual Property

- Source Code Ownership:** Upon full payment of the development fee, Client owns 100% of the delivered source code.
- Revenue Share Rights:** The revenue share agreement grants Developer a financial interest in platform revenue, not ownership of the code or business.
- Third-Party Components:** Open-source libraries and frameworks remain under their respective licenses.
- Residual Rights:** Developer retains no rights to use Client's specific implementation, branding, or user data.

## **10.2 Warranties**

1. **Functional Warranty:** Developer warrants the software will function as described in this proposal for 90 days post-delivery.
2. **Bug Fixes:** Developer will fix any bugs reported within the warranty period at no additional cost.
3. **Exclusions:** Warranty does not cover issues caused by:
  - Third-party service failures
  - Client modifications to source code
  - Hosting environment issues
  - Misuse of the platform

## **10.3 Confidentiality**

Both parties agree to keep confidential: - Business strategies and plans - Technical implementations - Financial information - User data and metrics

## **10.4 Limitation of Liability**

Developer's total liability shall not exceed the development fee paid (per selected option: €15,000, €20,000, or €25,000). Developer is not liable for: - Lost profits or revenue - Business interruption - Third-party claims - Indirect or consequential damages

## **10.5 Revenue Share Compliance**

1. Client agrees to maintain accurate financial records
2. Client will provide monthly revenue reports by the 5th of each month
3. Late payments incur 1.5% monthly interest
4. 3 consecutive missed payments constitute breach

## **10.6 Termination**

**By Client:** - May terminate development with 14 days notice - Fees paid for completed milestones are non-refundable - Revenue share continues on any delivered components used

**By Developer:** - May terminate for non-payment (30 days overdue) - Will deliver all completed work upon termination

**Revenue Share Termination:** - 5-year minimum term - After 5 years: Client may terminate with 90 days notice - Buyout option available (see Section 7.2)

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## **Acceptance**

By signing below, both parties agree to the terms outlined in this proposal.

**Client**

**Company Name:** \_\_\_\_\_

**Authorized Signatory:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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**Developer**

**Company Name:** \_\_\_\_\_

**Authorized Signatory:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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## **Appendix A: Feature Specifications**

*Detailed technical specifications available in TECHNICAL\_DOCUMENTATION.md*

## **Appendix B: API Endpoint List**

Module	Endpoints	Description
Authentication	4	Register, login, refresh, password reset
Users	5	Profile CRUD, settings
Parking Spots	8	Listings CRUD, search, availability
Bookings	8	Booking CRUD, pricing, status
Reviews	7	Reviews CRUD, ratings
Payments	8	Payments, refunds, payouts
<b>Total</b>	<b>40</b>	Complete REST API

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**Questions?** Contact [Your Email] or [Your Phone]

*This document constitutes a binding agreement upon signature by both parties.*