

TheSpot.Exchange



November 14, 2017

Project objective:

To build a Blockchain-based, AI-powered Open Source platform to bring innovation to, and disrupt, the parking marketplace.

Overview

The Spot Exchange is a smart, decentralized, blockchain-based parking marketplace.

Our platform enables people to rent physical locations designated for parking traditional and autonomous vehicles.

While today we serve as the marketplace in which sellers of physical spaces connect with short-term or long-term buyers, the ultimate goal is to provide the mechanism for autonomous vehicles to find and negotiate their own parking.

Our technology stack

IBM Hyperledger Fabric

Integrated frameworks from the Hyperledger Composer project to accelerate the chain code development, API creation, and clearly define the ecosystem.

IBM Watson ML

Implemented IBM Watson Machine Learning to design, build, and deploy custom online machine learning models. Developed an instance-based machine learning model to provide “spotstimates” (price recommendations).

Docker Containers

All core components of the Exchange have been fully dockerized using custom docker-compose configurations which can be modified to allow for a complete distributed and decentralized network.

Understanding the market

Target markets

Our customers reside in leading urban centers with high population density and complex systems of housing, transportation, and communication.

As such, our top 5 markets include:

- New York City
 - Los Angeles
 - Chicago
 - Boston
 - San Francisco
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Market trends

Autonomous 

Traditional 

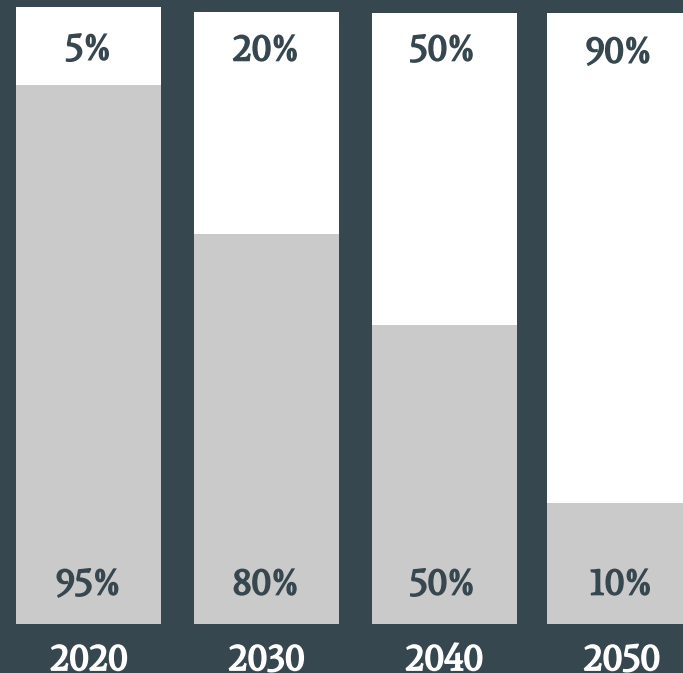
Findings

Americans alone waste over \$73 billion per year searching for parking. The global parking market is, by definition, inefficient.

Client Implications:

- \$20 billion per year in fees paid for parking time that goes unused
- 60 hours of time wasted searching for parking each and every year
- Millions of parking spaces that never get filled, providing little value to owners

Forecast Share of Vehicle Sales



How we make money

Sources of revenue

Renter-Owner Matching

We collect a fee for ...

Connecting renters and owners of physical parking spaces.

Revenue Share

We also ...

Have an opportunity to license our data feed on behalf of involved parties

Add-ons

We empower property owners ...

To offer premium services like vehicle charging, video monitoring, and detail services.

The marketplace



Product roadmap

Deliverables

Development

- Defined Business Network
- Mobile App w/ GPS Support, Self Registration

Infrastructure

- Containerized Platform on IBM Z/Docker
- Connect Open Data Portals

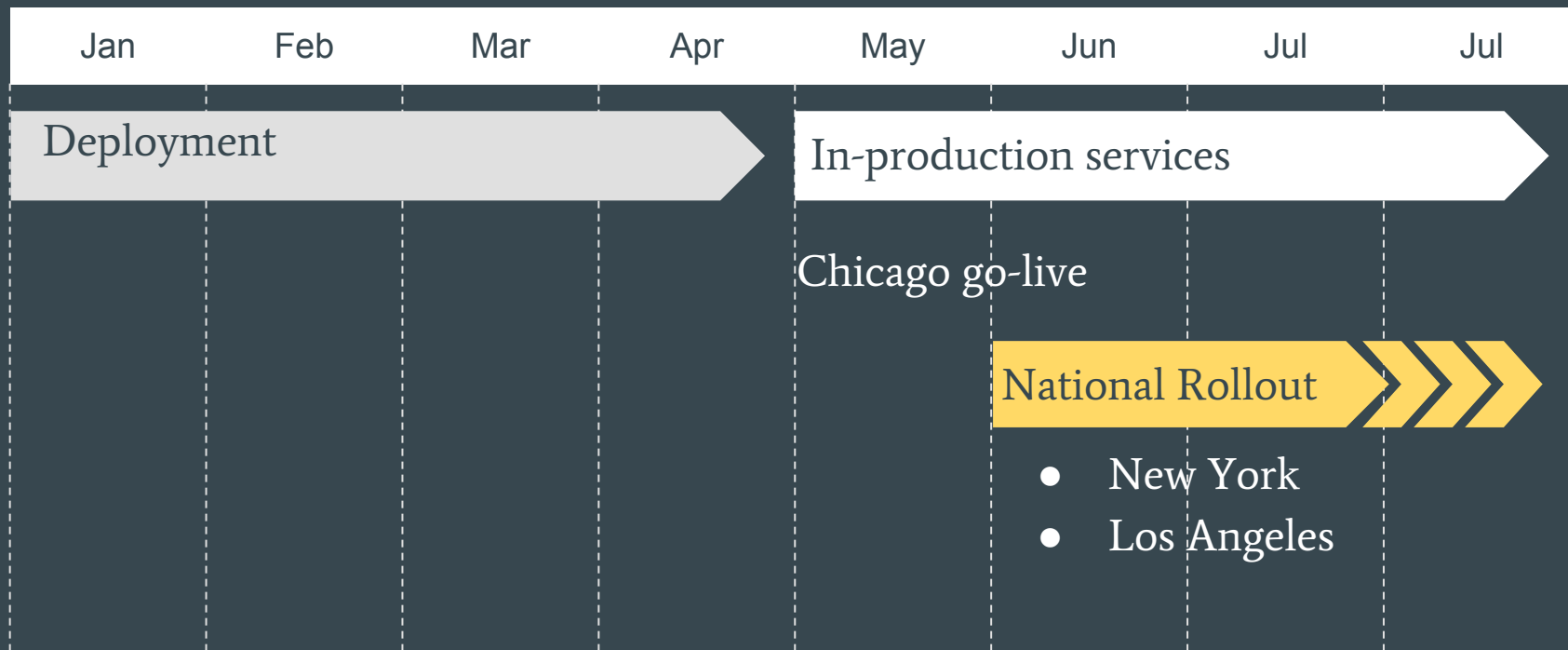
Business Development

- Launch Public Facing Website, Begin Pre-registration
- Open Source All Toolkits

Remaining

- Connect Payment Processing
- Launch Private Marketplace Beta

Timeline



Core Team



David Conroy

Co-Founder, EthVentures
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Aleksandar Velkoski

Co-Founder, EthVentures
Co-Founder,
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John O'Sullivan

Vice President of
Technology,
TheSpot.Exchange

Peak under the hood

<https://github.com/EthVentures/SpotExchangeApp>

<https://github.com/EthVentures/SpotExchangeLedger>

<https://github.com/EthVentures/SpotExchangeML>

<https://github.com/EthVentures/HyperledgerIdentityManagement>