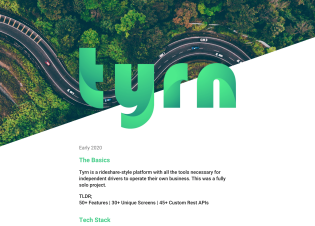


Early 2020

The Basics

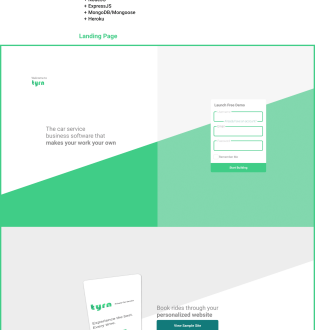
Tyrn is a rideshare-style platform with all the tools necessary for independent drivers to operate their own business. This was a fully solo project.

TL;DR:
50+ Features | 30+ Unique Screens | 40+ Custom Rest APIs

Tech Stack

- Production, development, and local environments
- Front-end
  - JS, HTML, CSS
- Back-end
  - NodeJS
  - ExpressJS
  - MongoDB/Mongoose
  - Heroku

Landing Page



Feature List

- Driver accounts and authentication
- Rider accounts and authentication
- S3 user photo and driver landing page image storage
- Driver email list/add/create
- Booking/scheduling systems
  - Validate availability of time slot including travel to/from next/prior trip
  - TomTom API
- Dual-sided payment system (Stripe)
  - Receive Rider Payments
  - Issue Driver Payments
- Dynamic driver landing page
- Dynamic driver email lists
- Driver notification system
- Rider notification system
- Driver setup tutorial

Selected Code

```
function bulkNewScheduledTrips(){
  var pickupHour = trip$.startTimeObj.hour;
  var pickupMin = trip$.startTimeObj.min;
  var pickupMonth = trip$.startTimeObj.month;

  var travelTime = trip$.travelTime; //this is in seconds
  var hour = Math.floor(travelTime / 3600);
  travelTime %= 3600;
  var minute = Math.floor(travelTime / 60);
  var travelDur = trip$.travelTimeObj.source;
  travelDur = Math.round(travelDur) + 0.0001111 + 180;//30 //this is in mins to two decimal places

  var schedTrips = [
    {$ trip$ },
    {$ trip$: trip$.pickupPoint+trip$.dropoffName+'-NEW'
    ,date: trip$.startTimeObj.day, trip$.startTimeObj.month+ trip$.startTimeObj.date, trip$.startTimeObj.year',
    pickupLat: trip$.lat,
    pickupLng: trip$.lng,
    method: 'Recurring - Personal Acct',
    status: 'Scheduled',
    driver:'Select Driver',driverEmail:'Select Driver',driverPhone:'Select Driver',driverPayPalEmail:trip$.rootDriver.payPalEmail,
    driverPhone:trip$.rootDriver.phone,driverPayPalEmail:trip$.rootDriver.payPalEmail},
  ]

  return schedTrips;
}

//trip$ trip$s are dynamic passed
function bulkNewRecurringTrips(pickupLat, pickupLng, dropoffLat, dropoffLng, pickupTime, dropoffTime, pickupName, dropoffName, pickupAddress, dropoffAddress, pickupCity, dropoffCity, pickupState, dropoffState, pickupZip, dropoffZip, pickupPhone, dropoffPhone, pickupNotes, dropoffNotes, pickupPlaceId, dropoffPlaceId, pickupTimeZone, dropoffTimeZone, pickupTimeZoneOffset, dropoffTimeZoneOffset, pickupDateTime, dropoffDateTime, pickupDateTimeObj, dropoffDateTimeObj, pickupDateTimeObjUTC, dropoffDateTimeObjUTC, pickupDateTimeUTC, dropoffDateTimeUTC, pickupDateTimeObjUTCAdjusted, dropoffDateTimeObjUTCAdjusted, travelTime, travelDistance, travelDistanceMiles, travelDistanceMeters, travelDistanceKilometers, travelDistanceFeet, travelDistanceYards, travelDistanceNauticalMiles, travelDistanceMiles, travelDistanceKilometers, travelDistanceMeters
```