

CASE STUDY



OVERVIEW

The customer is a top US based dedicated contract service firm, dedicated to picking up and delivering orders. Their platform as SaaS, handles above approx. 4K drivers, 15 K carriers and delivers numerous customers annually. They were looking forward to enhancing their operations and increasing their overall revenue.

BACKGROUND

As per US Labor Act., Drivers should not drive exceeding their working hours. Drivers should be able to find nearby stops, pick-up, and drop-off orders. Analyzing upcoming orders and helping them sort without running for extra operations. Drivers should not drive continuously and could opt for home time, breaks, etc. Optimize delivery time, increase revenue, optimize cost, etc.

**Supply Chain
and Logistics
using Graph
Technology**

**Best Company in
This Town that
Values They
Consument.**

- NIL

Alber Enstan Junior

CASE STUDY

81-83 Campbell Street,
Surry Hills, NSW 2010,
Australia

+61288800116

www.irishtaylor.com

Jeremy Taylor



Graph Database analysis of orders along with optimizer and scheduler

CHALLENGES

Driver's only received travel plan's and driving period as per US labor act. Drivers were able to ask for home-time, breaks, trailer transfers, etc. and can spend time with their loved ones on special occasions like birthday, anniversaries, etc. Graph database helped analyze new orders coming in path of delivered for drivers, which helped optimizing operations. Optimizer & scheduler helped arrange all orders, either pick-up or drop-off, in travel plans of drivers.

SOLUTION

-  The solution overall reduced the expenditures on the driver's travel plan by 33% quarterly by reducing fuel cost, raising driver's cut over trip and delivered without delays. Feasibility of nearby orders led to maximum deliveries in minimum distance. Increase on annual revenue by 11.7% in regard to past 5 years.
-  Drivers as per the US Labour Act received travel plans and driving period
-  Drivers were able to ask for home-time, breaks and spend time with loved ones on special occasions etc
-  Using graph database to analyse new orders and optimizing and scheduling them helped to arrange orders, pick-up or drop-off, in travel plans for drivers