

Tech Features

- Authentication(email, phone, google auth)
- Notifications
 - Brokers: For when a deal is agreed on, issues/alerts, need assistance from 'Liz', documents are signed
 - Truckers: When they've earned the deal
 - Vendor: When a deal is agreed on
- Stripe Payment(purchase of CRM or monthly subscription)
- Truck Loader API(to receive shipment data and display it)
- DocuSign or another platform(so users can e-sign docs)
- Google APIs(Track location, help with routing logic for truckers)
- OpenAI API(to chat for Broker to Vendor)

Tech Stack

- [Next.js](#) for frontend with React-Hooks for state management
- Supabase for backend(Authentication, DB, Storage, Cloud Functions)
- Firebase cloud messaging for notifications
- Stripe for payments

OpenAI Agent('Liz')

Liz will communicate with vendors to negotiate pricing. 'Liz' will have a baseline prompt guiding her on what she should say and how to negotiate. If 'Liz' feels stuck or is sensing Vendor is frustrated, then notify the broker to take over the conversation. 'Liz' will need to provide rationale to broker on the negotiations. ****Eventually, have it learn so that it negotiates better****

Data Objects

enum: RoleType

- Vendor
- Broker
- Shipper

enum: Status

- Draft

- Published
- Negotiating
- Booked
- Dispatched
- Intransit
- Delivered
- Completed
- cancelled

enum: DocumentType

- rate_confirmation
- BOL
- POD

Enum: DocumentStatus

- uncomplete
- unsigned
- signed
- complete

User

- first_name: String
- last_name: String
- phone_number: String
- address: String
- email: String
- role: RoleType

Load

- origin: String
- destination: String
- weight: Double
- pickup_date: DateTime
- delivery_dates: List<DateTime>
- equipment: String
- dimensions: List<Double>[2]
- accessorials: String
- notes: String
- status: Status
- offer: Double
- owner: ID

Messages

- owner: ID
- recipient_id: ID
- message: String
- created_at: DateTime

Offer

- owner: ID
- recipient_id: ID
- amount: Double
- expires_at: DateTime
- constraints: List<String>

Negotiation

- owner: ID
- recipient_id: ID
- messages: List<Messages>
- started_at: DateTime
- needs_human_approval: boolean

Document

- owner: ID
- created_at: DateTime
- type: DocumentType
- status: DocumentStatus

Notification

- owner: ID
- created_at: DateTime
- title: String
- message: String

Calculations(need Candace's help to understand this)