// Internship Summer 2023: Capstone Final Presentation
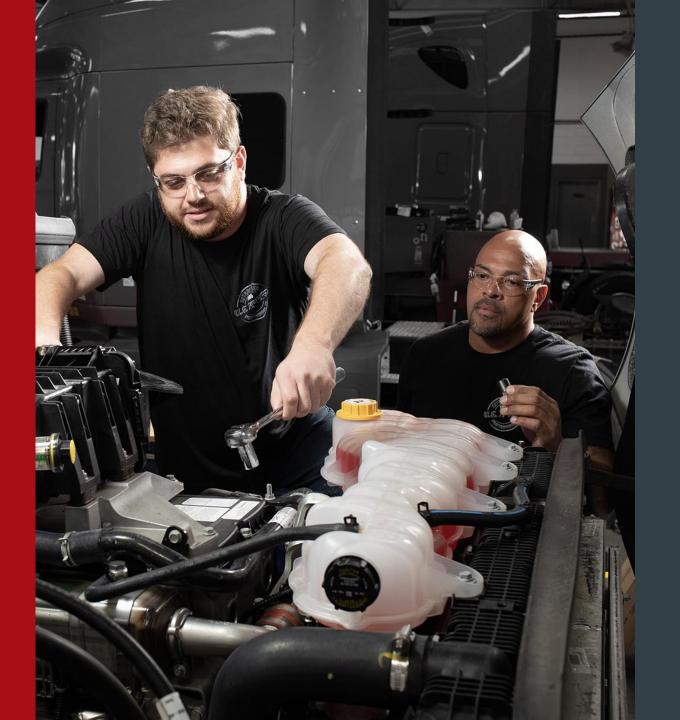
Mostaq Hossain (Backend) &

Brandon Gustrowsky (Frontend)

Software Engineering

27th July, Chattanooga, TN

Objective

Experience the future of fleet management with our innovative web app that

- intelligently matches available trucks with loads,

- leveraging a cost-efficient architecture to optimize operations,

- reduce expenses, and

- drive unprecedented profitability in the logistics industry.

Motivation:
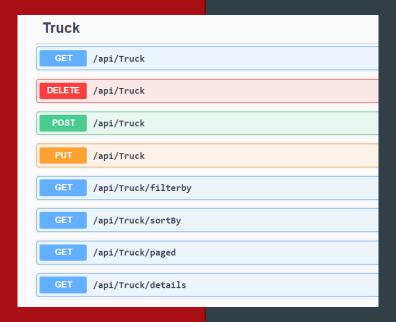
Improved scalability and cost reduction

Contribution

Enhancements with .NET APIs, React Js NoSQL integration, and container deployment
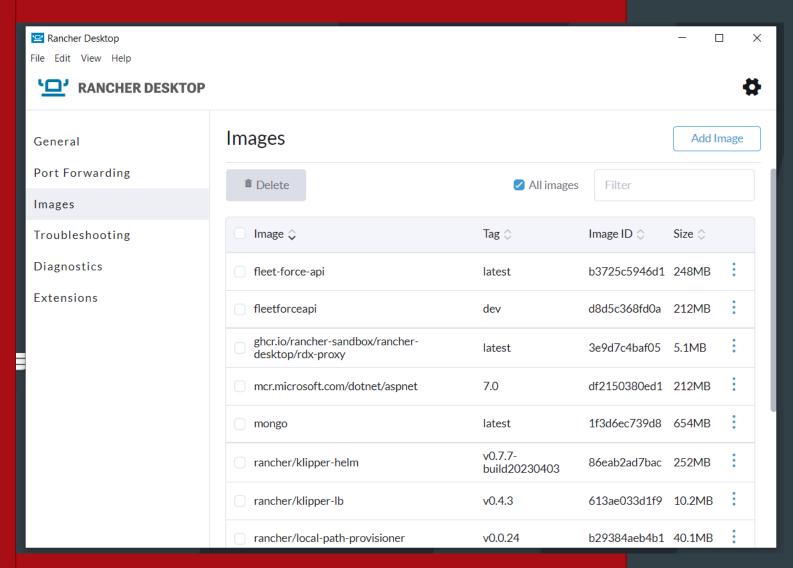
API Modules: Driver, Load and Truck

Driver

GET	/api/Driver
DELETE	/api/Driver
POST	/api/Driver
PUT	/api/Driver
GET	/api/Driver/filterby
GET	/api/Driver/sortBy
GET	/api/Driver/paged
GET	/api/Driver/details

Truck

GET	/api/Truck
DELETE	/api/Truck
POST	/api/Truck
PUT	/api/Truck
GET	/api/Truck/filterby
GET	/api/Truck/sortBy
GET	/api/Truck/paged
GET	/api/Truck/details

Load

GET	/api/Load
DELETE	/api/Load
POST	/api/Load
PUT	/api/Load
GET	/api/Load/filterby
GET	/api/Load/sortBy
GET	/api/Load/paged
GET	/api/Load/details

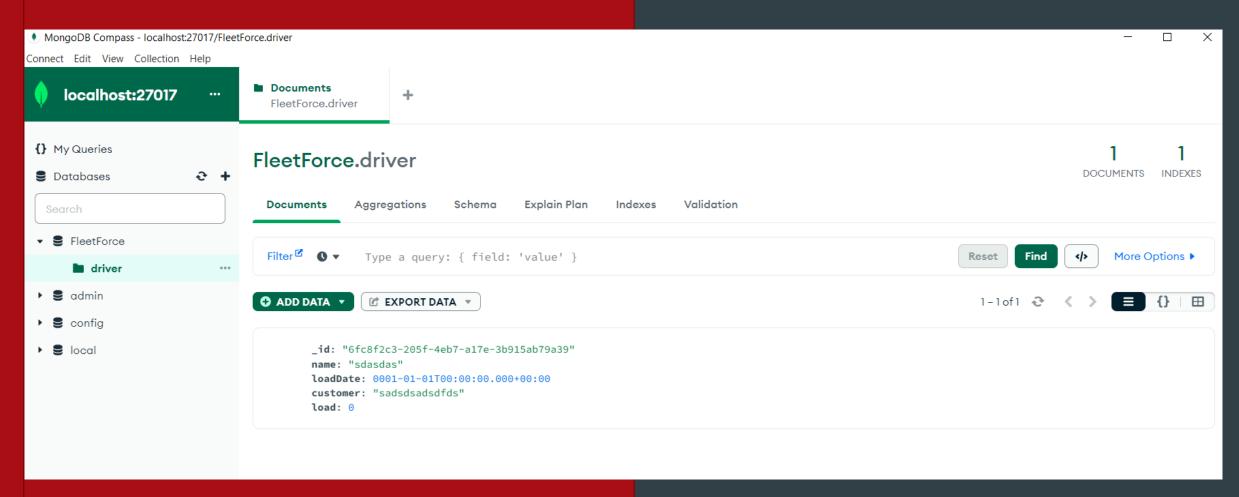Each module has CRUD operations with filtering, sorting and item details info end points.
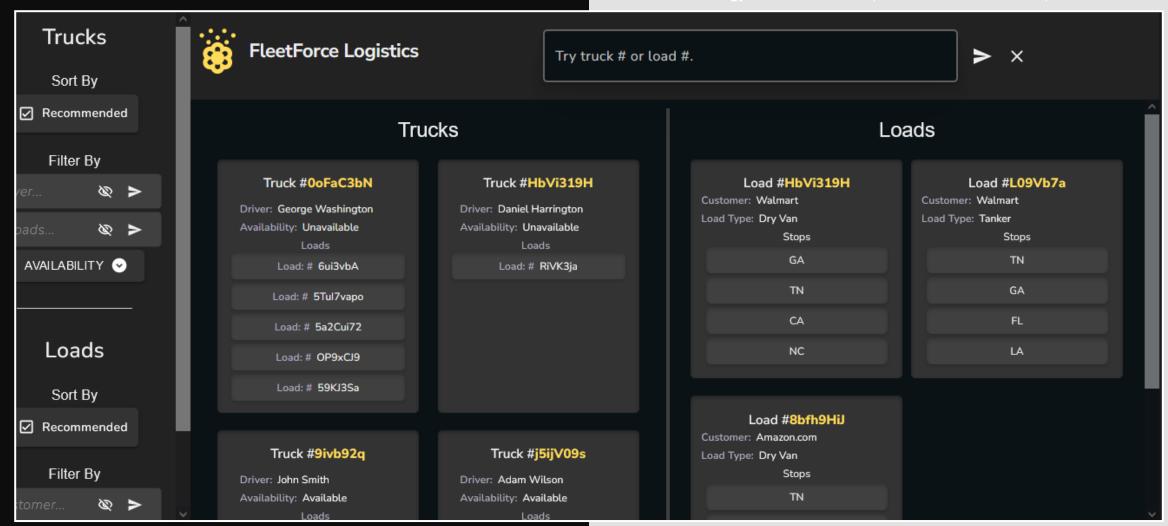
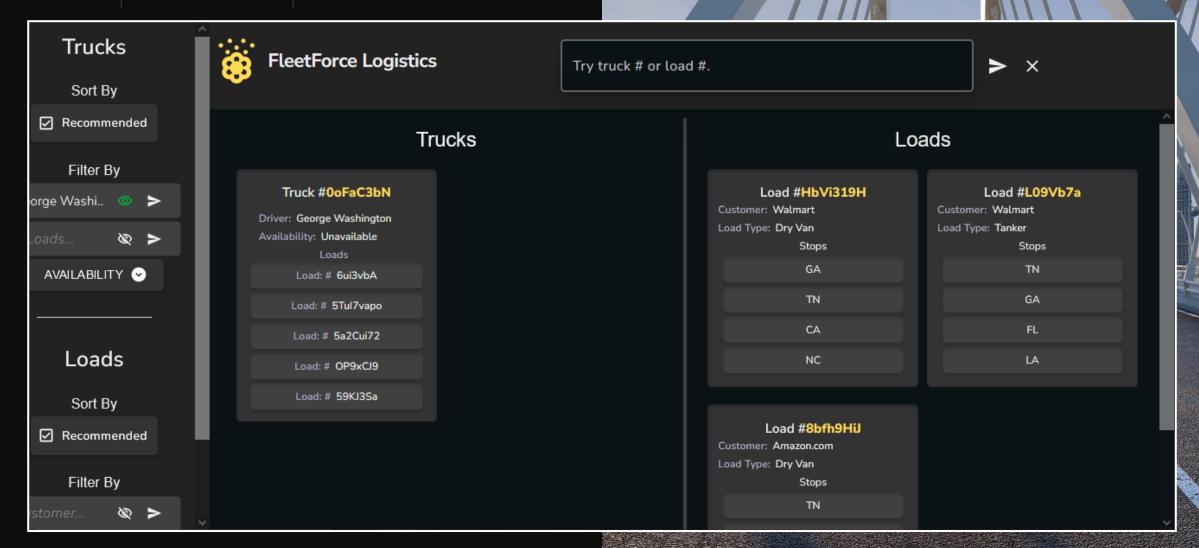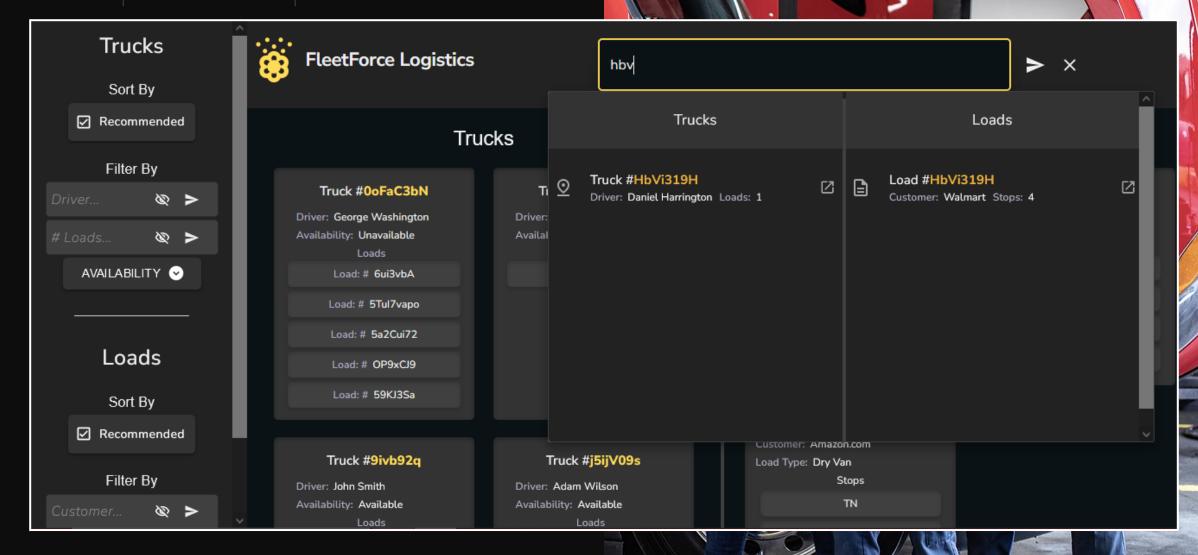Container: Rancher Desktop, Docker CLI
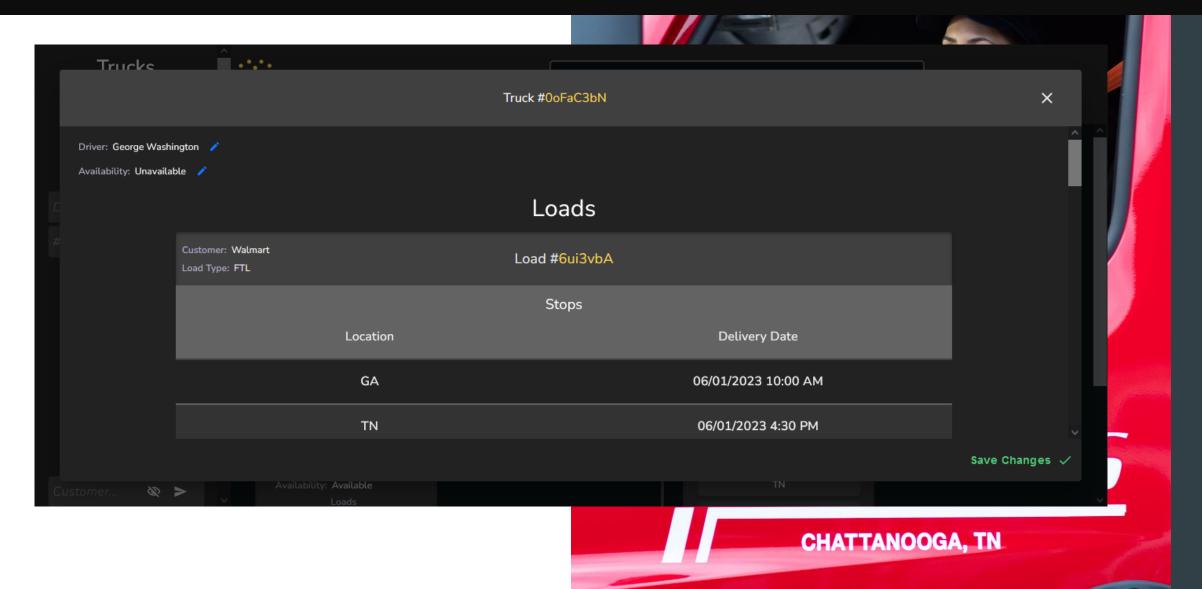
NoSQL DB as MongoDB

Dashboard

Filtering

Searching

Update result

Attended Scenic City Summit
UTC, Chattanooga, TN

Software development conference, Friday, June 2, 2023

Thanks & Questions

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