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PROJECT SPECS

SOLUTIONS

A cost management system for equipment in the construction industry

TECHNOLOGIES

Front-end

React, Typescript, Highcharts, Material-UI, Devexpress/dx-react-grid

Back-end

Java, SpringBoot, Spring, Lombok

DURATION

8 months

TEAM

- 1 Delivery Manager
- 1 Project Manager
- 1 Business Analyst
- 1 Software Architect
- 1 UX/UI Designer
- 1 Java Architect
- 1 BE Developer
- 2 FE Developers
- 1 QA Leader
- 1 QA Engineer

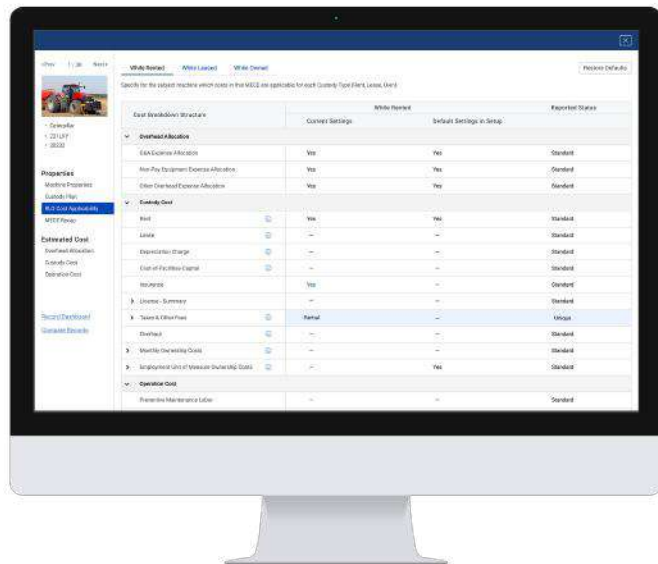
Region: USA
Industries: Construction management company

Cost Management Platform Development

CLIENT BUSINESS GOALS

The client referred to us with specific business goals and expectations. As top developers, we were expected to:

1. check that the business idea is feasible from a technical perspective;
2. build a complex system that calculates charge rates of construction equipment;
3. implement a core charge rates calculator algorithm that must encompass all equipment costs during the exploitation;
4. add a variety of visualizations and analytics to display vast amounts of information;
5. be fully transparent: provide weekly work progress reports and monthly budget forecasts, and stick to the strict delivery schedule;
6. be able to work within quickly evolving and changing requirements. Ability to track changes and keep up with requirements updates;
7. achieve and maintain top development speed, present the Pilot version to potential clients and investors on time.
8. reach desired technical metrics regarding performance, security, and scalability.



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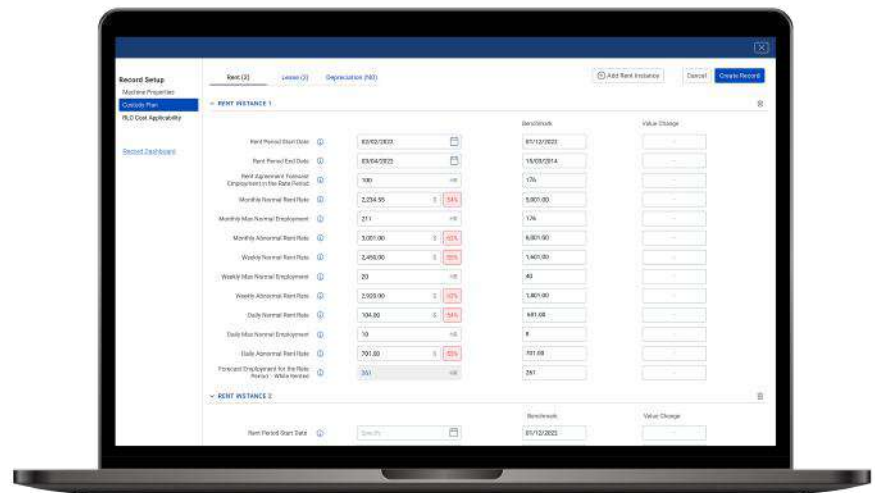
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OUR SOLUTION

- We developed a **full-fledged web platform with all major functionality implemented**. The MVP is ready for presentation to users and investors.
- We **managed to program algorithm that calculates the equipments charge rates**. The algorithm encompasses custody and operating costs. Thanks to that, we proved that the business idea was viable.
- **Comprehensive construction equipment management interfaces**. Cost breakdown structure, construction equipment list with its properties, standard and unique properties for every type of equipment.
- **Scalable architecture** that can store and calculate a large number of machine equipment.

CUSTOMER'S BENEFITS

Client got a full-fledged platform with complex logic of real-time calculations and visualizations. The solution proves that the business idea is viable and helps the client to move forward with the next investor rounds and further concept evolution.



WHAT'S HAPPENING WITH THE PROJECT RIGHT NOW

The client stopped development as we reached the previous client's goals. The client moved forward to the next stage: restructuring their marketing materials.