

## CASE STUDY: WEB & MOBILE PROJECT / Construction Client

### Overview

Construction is a difficult industry when you consider the tight margins, deadlines and little room for error. Without a proper logistics management system in place, many companies waste their time and resources.

This project implemented a web and mobile app to help coordinate logistics, help workload and high turnover whilst aiding in reducing waste and creating solutions for everyone involved.

### Goals Achieved Using Front Range Systems



### The Challenge

With everything that takes place on a construction site and the difficulty of not having an application already created, our client's project would be complex. Permits, plans, approvals, dependencies and outside experts are a short list of many potential setbacks. This was a challenging task but rewarding for everyone involved with the project due to the success of the implementation of the customized system. With constant communication with the client and cloud based systems in effect we were able to produce satisfactory results that exceeded expectations.

## The Approach

We decided on the Ionic Framework due to its ability to maximize the budget, and provide a cross-platform codebase. Using Azure was right for this job. Azure is a cloud based platform that allows the team to create, build and manage applications from essentially anywhere with the tools or resources you choose. It helps to create real time solutions and provides a more flawless outcome due to its customizable nature. The client's Git Repos, user stories, and CI/CD (Continuous Integration / Continuous Deployment) were all in one place. With Azure, the team could deploy to the QA environment, the Stage environment, then finally the Production environment. The process was extremely simple and helped to save the team hundreds of hours over the project's duration.



**"Azure is a great DevOps tool. With little effort a complete CI/CD pipeline can be implemented in no time at all."**

**- Justin B.**  
*Senior Cloud Engineer*

## The Solution

Front Range Systems team has created functional web and mobile applications that aided in helping our clients logistic management. The team built a notification framework that would send messages to particular users and groups based on certain characteristics within the system as well to provide real time results and feedback. Creating this cloud based software allowed our client to successfully solve logistics issues, reduce waste, lowered costs and increased employee productivity.

Among the main benefits of using Ionic Framework and Azure, our clients gained

- Advanced Logistics Management
- Heightened Productivity
- Easy Access to Information
- Cost Savings

Reach out to our team of experts to start the conversation for your next project.

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