



## Company background

Founded in 2014 by Spence Campbell, Infinity Concrete began as a specialist in custom residential foundation and site work. In 2022, Sean McGarity partnered with Spence to expand the company's capabilities, introducing commercial concrete construction services. Together, they transformed Infinity Concrete into a growing turnkey concrete contractor, offering comprehensive solutions for both residential and commercial projects throughout Texas.

Infinity is committed to innovation and technology-driven solutions. Our goal is to modernize an industry that has traditionally lagged in adopting digital tools, by implementing cutting-edge applications that streamline construction processes and increase operational efficiency.

## Submittals Search Tool Background

We receive a wide variety of specification sheets and submittals as part of the bid process for construction projects. These documents come from different suppliers and general contractors, and while they vary in layout and format, they typically follow a similar structure. Each one outlines specific materials, products, or requirements, like a particular type of concrete or valve, that are allowed for use on a given project.

This project involves building a tool that can ingest these PDFs, extract structured information from them, and store the data in a searchable database. The tool should allow users to filter by product type, material category, brand, size, or project specification to quickly find what's approved for a particular job. For example, someone could search for a "12-gauge valve" and immediately see all related approved products across different submittals.

The system will need a front-end interface that acts like a search engine, with filters and selection tools. There should also be a simple way (like a button) to upload new PDFs into the system for processing and indexing.

## Desired Skillset

- Front-end development experience
- API Integration
- Database Integration
- Real-time notifications and status updates
- Data analysis and organization
- Adaptable students willing to research and learn applicable skills to the project

Project specifics: Database Integration, PDF parsing, OCR, RESTful APIs, frontend and backend integration

## Preferred Team Size

We recommend a team of 3 to 5 students to ensure sufficient collaboration.

## Location Expectation

All work and collaboration for this project can be done remotely. The Infinity team, based in New Braunfels, Texas, will provide support and regular feedback via virtual meetings and online communication tools.