

# RECONDO

## Recondo Technology

### Client

Recondo connects providers, payers, and patients using cloud computing solutions throughout the healthcare revenue cycle. Our software services are designed to ensure proper payments across the continuum of US healthcare and bring efficiencies and cost savings to healthcare payment processing, which currently costs US healthcare a staggering \$480 billion in annual expense.

[www.recondotech.com](http://www.recondotech.com)

### Contacts

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### Working Environment

Recondo has a history of collaborative internship programs with the School of Mines. Our main offices are in the Denver Tech Center. After the field session kick-off activities have been completed in our main office students will be able to work in any location that is convenient for them. There is convenient light rail access to our main offices.

### Project

One of the key processes in providing our software solutions to clients is data provisioning. Client environments must be appropriately configured to provide the specific functionality necessary to perform calculations, render user content, make calls to vendors, etc. An critical component of provisioning and maintaining client environments is effective provisioning tools. Without focus in this area it can become difficult to scale company operations to meet client needs.

Data provisioning can be a deceptively intricate task that requires consideration of specific application and business requirements, deployment strategies to avoid or eliminate scheduled downtime, and disparate management of stage and production deployments. Recondo has multiple legacy solutions that tackle this problem area in different ways. The goal of this field session project will be to make significant strides in creating a new, unified tool for managing data creation, edits, and deployment that can be leveraged by Recondo's primary applications.

Some of the general focus areas that the project will dive into are:

- Bulk loading capabilities
- Micro editing of existing data sets
- Data validation

# RECONDO

- Data rollback support
- UI-centered workflows

One of the key objectives of this project will be to get a solid, extensible framework in place that can easily support the gradual addition of new data provisioning jobs over time.

Students will be expected to:

- Review existing tooling used for data management to develop an understanding of the data types involved.
- Using Java, Ruby, and/or Angular – Design and implement an extensible, web-based framework to manage data.
- Create a deliverable that can be deployed within a Tomcat 8.5 web container.
- Work with multiple stakeholders to identify and implement solutions that addresses specific pain points in the data provisioning process.

## Valuable Skills

For this project, students should be familiar with the following concepts:

- File I/O and text parsing in at least one language (Java/Ruby preferred but not required)
- RESTful web service best practices and implementation strategies

Students will have the opportunity to work with the following technologies:

- Java 8 and Ruby (existing web services and APIs)
  - Java libraries including Spring 5 and Spring-Boot 2
- Tomcat 8.5 (servlet container)
- Angular 7 (dashboard application)
  - Web technologies including StompJS, TypeScript, NPM/Node and Angular Material 2

## Team Size

This project is appropriate for 3-5 students, with a preference toward a size of 3.