
JOHN ROBACK

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Required Skills:

(List skills needed) – Python, Web (HTML / JS / CSS)

Preferred Team Communications:

Conference Call, Skype, WebEx / GoToMeeting, Google Hangouts

Data Sources:

Data would be drawn from electronic health record, in particular the laboratory data.

Other Items:

Project preferred time zone is Eastern Time Zone

Team Info:

Needs a Developer, Analyst, Tester and a DBA. Allows one team of 4-6 members.

FHIR APPLICATION FOR THE CLINICAL LAB

I have a number of ideas for apps that would be used by clinical pathologists (who manage the clinical laboratories that perform blood tests, etc). We have rolled out 1 app, but have several more in the pipeline or on the drawing board. I can describe in more detail if desired. The common theme is that these apps should be able to pull laboratory data from the electronic health record to use to perform calculation, make predictions, etc. This will improve clinical quality, reduce costs, etc.

PROJECT OBJECTIVES

To develop and deploy at least one clinical pathology app. Example, and app that automatically interprets a collection of laboratory data to determine whether a patient is adequately anti-coagulated (to prevent blood clots), if not what changes should be made to their medication, and which tests should be ordered to better define a clinical strategy for that patient's anticoagulation management.

SUCCESSFUL PROJECT

To Be Discussed with John Roback.

Intellectual Property: None