Tech Stack @ Instructure:

Ruby

Rails

Coffeescript

Jquery

Amazon AWS, S3

Heroku

Linux

SSH

RAW SQL knowledge is a BIG + ([sqlbolt.com](http://sqlbolt.com/))

RSpec

SASS

Bootstrap

HAML

JIRA

Gerrit

GIT

Github

Interview Questions:

1) You have a users table(first\_name, last\_name, phone\_number)

    You have a courses table(name, course\_code)

    You have a enrollments table that joins the users and courses

      - on a whiteboard draw out what these tables would looks like

      - on a whiteboard write a RAW SQL Query to get me all users first\_names that are enrolled in the course with the name: Math 101

2) You have an API Endpoint GET <http://example.com/users>

    You also have a html unordered list element with the ID of name\_list - <ul id="name\_list"></ul>

    - This endpoint returns an array of user javascript objects - ( [{"name": "jake"}, {"name": "John"}, {name: "Joe"}, {name: "Josh"}]

    - write an ajax call to this endpoint to get all the users and populate the UL with list items of the names that come back

3) You have 3 elements on a page each with the same class -

    <div class="money">$10</div>

    <div class="money">$50</div>

    <div class="money">$100</div>

    - write some jQuery to get me the text of the 2nd element

4) What is the biggest programming problem you have faced so far and how did you figure it out?

5) What resources to you use when learning a new technology?

6) Do you have any expierence with a version control system?

7) Have you ever had an experience working with someone that you didn't mesh with but still had to do a project with? How did you handle that situation?

8) Write some ruby code to solve this following problem

    - loop 1 - 100

    - if the number is divisible by 3 - print FIZZ

    - if the number is divisible by 5 - print BUZZ

    - if the number is divisible by 3 and 5 - print FIZZ BUZZ

    - else just print the number out