

## Senior Front-End Developer

Key member of the development team focusing on courseware development as well as the development and expansion of our online learning environment.

### Responsibilities:

- **Courseware Product Implementation:**
  - Collaborate with designers and Subject Matter Experts in developing:
    - Highly reusable, responsive and accessible user interfaces and web apps
    - Highly reusable, responsive and accessible interactive and static learning components.
    - Co-authoring Detailed specifications
  - Maintain and improve existing user-facing courseware elements. Be constantly improving templates, code base and processes to increase quality and speed of courseware development.
  - Implement and test courseware components and user interfaces on our Learning Management System(s).
  - Train and support our internal/external iheed software engineers in the use of templates and components to build and test courseware development.
- **Application Development:**
  - Using React (version hooks onwards), Create React App, testing frameworks, process automation in creating and supporting existing standalone learning applications.
  - Optimize applications for maximum speed and scalability.
- **Front-end Operations:**
  - Create and maintain modular/scalable React apps.
  - Improve code quality; refactor and remove old/unused code/stylesheets.
  - Monitoring errors/logs, and improve overall stability.
  - Maintain, implement new build / deployment / testing tools.
- **General:**
  - Ensure the technical feasibility of UI/UX designs.
  - Take ownership over work and act accordingly if obstacles are met. If something is broken, say something. If something can be better, fight to make it better.
  - Crave feedback and improvement. Question and be curious about whether the work done had the impact expected, and what can be learned, and what can be improve now and for next time.
  - Maintain the highest level of Quality. Review own work and address bugs proactively.
  - Stay up-to-date on emerging technologies.
  - Contribute ideas to the ongoing development and improvement of our learning environment and learning tools.

- Become proficient with how Canvas Learning Management system works from both a student and an admin perspective.
- Any other responsibilities assigned by your Manager.

**Required Skills & Experience:**

- Expert knowledge of React/JavaScript/HTML/CSS/JQuery, CSS pre-processors, cross browser compatibility and accessibility, version control (Git),
- Experience web application bundlers; e.g. Create React , Webpack etc.
- Some knowledge in backend technologies; Node.js, Express.
- Hosting & Deploying; AWS S3/CloudFront, Heroku.
- Experience working in JIRA a plus.
- Sound knowledge of browser APIs (REST / GraphQL) and optimizing front end performance
- BS/MS in Computer Science or a related technical field preferred
- Ability to pick up new software, frameworks and APIs quickly.