* Complete the articles and tutorials in the [JavaScript](https://pages.github.cainc.com/digit/educator-dashboard/tech/javascript.html) doc.
* Learn all the Debugging [tips and tricks](https://pages.github.cainc.com/digit/educator-dashboard/general/debugging-tips-and-tricks.html).
* Install [Node](https://nodejs.org/en/download/) and consider installing a [Node Version Manager](https://github.com/tj/n).
* Understand [JavaScript package managers](https://medium.freecodecamp.org/javascript-package-managers-101-9afd926add0a)

New to ES2016?

* Complete the articles and tutorials in the [ES2015-plus](https://pages.github.cainc.com/digit/educator-dashboard/tech/es2015-plus.html) doc.

Setup your IDE

* Complete the setup of your [IDE](https://pages.github.cainc.com/digit/educator-dashboard/ide/general-setup.html).

New to React?

* Complete the articles and tutorials in the [React](https://pages.github.cainc.com/digit/educator-dashboard/tech/react.html) doc.

New to Git?

* Complete the interactive tutorials found at [Learn Git Branching](http://learngitbranching.js.org/).

The Architecture

* Read the [Architecture Overview](https://pages.github.cainc.com/digit/educator-dashboard/architecture/overview.html).
* Read about the [Architectural Components](https://pages.github.cainc.com/digit/educator-dashboard/architecture/components.html).

Best Practices

* Familiarize yourself with the [JavaScript best practices](https://pages.github.cainc.com/digit/educator-dashboard/best-practices/javascript.html).
* Familiarize yourself with the [React best practices](https://pages.github.cainc.com/digit/educator-dashboard/best-practices/react.html).

State Management

* Understand [Redux](https://pages.github.cainc.com/digit/educator-dashboard/tech/redux.html)
* Understand [Redux Saga](https://pages.github.cainc.com/digit/educator-dashboard/tech/redux-saga.html)

   
  Install a node version manager such as [nvm](https://github.com/creationix/nvm) or [n](https://github.com/tj/n)

   Install Node version 8.6.0

   Install Node version 8.6.0

   Install NPM version 5.4.2

The recommended setup is as follows:

* Install [Atom](https://atom.io/)
* Install [Nuclide](https://nuclide.io/docs/editor/setup/#quick-install)
* Install Flow - npm install -g flow-bin

Run apm install prettier-atom git-plus atom-ternjs emmet lint linter linter-ui-default linter-eslint to:

* Install [prettier-atom](https://atom.io/packages/prettier-atom)
* Install [git-plus](https://atom.io/packages/git-plus)
* Install [atom-ternjs](https://atom.io/packages/atom-ternjs)
* Install [emmet](https://atom.io/packages/emmet)
* Install [linter](https://atom.io/packages/linter)
* Install [eslint](https://atom.io/packages/linter-eslint)

Then apply to following settings:

* Preference -> Settings -> Packages -> Prettier -> Settings -> Enable 'ESLint Integration' and also set 'Trailing comma' to 'all'.

If you like Vim, install [vim-mode-plus](https://atom.io/packages/vim-mode-plus) and optionally [surround keymaps](https://github.com/t9md/atom-vim-mode-plus-keymaps-for-surround).

### **Testing Technology**

* [Unit & Integration Testing Framework Decision](https://confluence.cainc.com/pages/viewpage.action?pageId=121349156)
* [jest](https://facebook.github.io/jest/) - Delightful JavaScript Testing
* [enzyme](https://github.com/airbnb/enzyme) - JavaScript Testing utilities for React
* [nock](https://github.com/node-nock/nock) - Utility for mocking API responses
* [jsdom](https://github.com/tmpvar/jsdom) - A Javascript Implementation of the DOM