

Testing React Applications with Jest

COURSE INTRODUCTION



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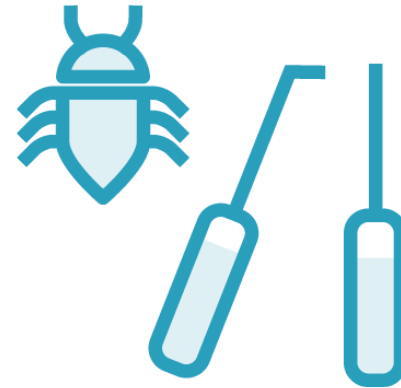
Why Take This Course?



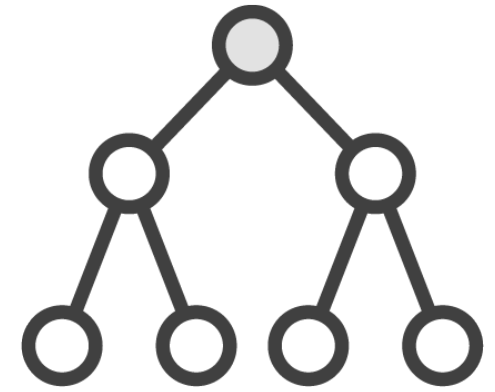
Level up your
React resume



Gain skills
related to Dev
Ops and QA



Gain experience
with testing in
general



Build more
complex
applications



About This Course



Completely
revised version
of 2016 course



100% new
and updated
content



Latest versions
of all libraries



Built with your
feedback in
mind



A Look at the Demo Application



The Demo Application



The isomorphic application we built in Isomorphic React



Entire application can be cloned from GitHub



For detailed insight, complete the course Isomorphic React on Pluralsight



What You'll Need to Code Along at Home

Node.js@9.2.0

**Text Editor
(Atom, WebStorm, or Other)**

**Administrator Privileges to
Install NPM Packages**

The Demo Application



Get the Course Files Here



Recommended – Start with finished application, add tests as you watch this course

<https://github.com/danielstern/isomorphic-react>



Optional – Start with finished application *and* tests, code along only where you want to

<https://github.com/danielstern/isomorphic-react/tree/jest>



Also recommended – Build the application yourself by coding along with Isomorphic React, then use it for this course

<https://app.pluralsight.com/courses/isomorphic-react>



What We Will / Won't Be Covering

We Will Be Covering...

General understanding of testing and related architecture (how, why)

Jest installation, test-running, and detailed API analysis

Mocking – how and why, and implementation

Unit, component and snapshot testing in practice

We Won't Be Covering...

Basic Node / JavaScript technique

React Application Architecture (see Isomorphic React)

Detailed CLI / Configuration (low-level details) for Jest

In-depth discussion of related tooling (Enzyme, Mocha, etc.)



Course Roadmap



The proceeding module explains testing in general

- Students only interested in Jest specifics may skip to Module 3

All remaining chapters deal with using Jest and React

In order, we'll learn: unit, snapshot, and component testing

Jest knowledge that you acquire can be used for general applications



Coming up in the Next Module...



Advantages and Disadvantages of Testing

Regression and You

Distinguishing Different Types of Tests

- Unit
- Component & Snapshot
- End-to-End (e2e)

Testing Tools

