

How to Create a React Datepicker from Scratch with Examples

This intermediate React training teaches learners how to build a React Datepicker from scratch. Master React.js, one of the most popular JavaScript libraries, and gain hands-on experience coding and deploying your own datepicker application. Perfect for onboarding new developers, team training, or as an open source reference resource for React projects.

[CBT Nuggets course material](#) →

WEEK 1

Work with Dates In React

151 min.

Introduction	1
Why is Implementing a Calendar So Difficult?	6
Basic Calendar Implementation Strategy	5
Introduction to the Moment Library	17
Combining Days into Weeks	7
Calendar JSX	13

Build a Reusable Calendar Component

Overview	1
Introduction	1
Basic Calendar Controls	6
Create a "Controlled" Calendar	8
"Library-Agnostic" Components	6
Calendars with Query Parameters	11
Add Styling with Styled Components	16

Build an Event Tracker in React

Overview	1
Introduction	1
Basic Event-Tracker Implementation Strategy	10
"Vanilla" React Modals	9
Build a New Event Form	6
Add Content to Calendar Cells	12
Avoiding Use-Case Pollution	6
Additional Event Data	3

Build a Single-Date Date-Picker in React

Overview	1
Introduction	1

WEEK 2

158 min.

Different Types of Date Pickers	8
Passing Components as Props	8
Selecting Single Dates	22
Creating a Dropdown Window Component	9

Build a Date-Range Date-Picker in React

Overview	1
Introduction	1
Date-Range Picker Basics	14
Calculating In-Between Dates	9
Another Method of Calculating In-Between Dates	14
"Pill" Styling for Calendar Cells	12

Build a Multi-Date Date-Picker in React

Overview	1
Introduction	1
Multi-Date Date-Picker Basics	3
Multi-Date Logic and Styling	19
Calculating Previous and Next Dates	15
Adding Out-Of-Month Days	19

WEEK 3

62 min.

Date Picker Enhancements

Overview	1
Introduction	1
Basic Date-Picker Enhancements	9
Single-Date-Picker Refactoring	13
Date-Range-Picker Refactoring	18
Multi-Date-Picker Refactoring	18