



React.JS Workshop

ReactJS presents graceful solutions to some of front-end programming's most persistent issues. It's fast, scalable, flexible, powerful, and has a robust developer community that's rapidly growing. There's never been a better time to learn React. You'll develop a strong understanding of React's most essential concepts: JSX, class and function components, props, state, lifecycle methods, and hooks. You'll be able to combine these ideas in React's modular programming style.

You must know!

Duration:

20 Hours

Who should attend?

A strong foundation in JavaScript, as well as basic HTML

Main Topics:

- JSX
- React Components
- Components interacting
- Lifecycle Methods
- Hooks
- Stateless Components from Stateful components
- Advanced React

Course Modules

Module 1 - JSX

Learn to use JSX, the basic syntax of React.js

- Nested JSX elements
- JSX Syntax and JavaScript
- Multiline JSX Expression
- JSX syntax and HTML
- JSX attributes
- ReactDOM JavaScript library
- Embedding JavaScript in JSX
- The Virtual Dom
- JSX and conditional
- JSX className
- JSX conditionals
- Embedding JavaScript code in JSX
- JSX element event listeners
- Setting JSX attribute values with embedded JavaScript
- JSX .map() method
- JSX empty elements syntax
- Creates Virtual DOM Elements
- JSX key attribute

Module 2 - React Components

Learn to make React Components, the building blocks of all React.js applications

- Method
- React Component Base Class
- Importing React
- React Components
- JSX Capitalization
- Multi-line JSX Expressions
- Object Properties As Attribute Values

Module 3 - Components Interacting

Learn how to make React components interact with one another.

- Returning HTML Elements and Components
- React Component File Organization
- props
- Binding this keyword
- Call in the Constructor
- Dynamic Data in Components
- Component State in Constructor
- Changing State While Rendering

Module 4 - Lifecycle Methods

Hook actions to specific moments in a component's life

- Component Mount
- Unmounting Lifecycle Method
- Component Mounting Phase
- Lifecycle Phases
- Mounting Lifecycle Methods
- Updating Lifecycle Method

Module 5 - Hooks

Learn how to use Hooks in React, a powerful feature of function components.

- Function Components
- Why Hooks?
- Rules for Using Hooks
- The State Hook
- State Setter Callback Function
- Multiple State Hooks
- Side Effects
- The Effect Hook
- Effect Cleanup Functions
- Multiple Effect Hooks
- Effect Dependency Array

Module 6 – Stateless Components from Stateful component

Learn React programming patterns for mixing components with and without state.

- Stateful and Stateless Components
- React Programming Pattern
- Changing Props and State
- Passing State Change Functions as Props
- Event Handlers and State in React
- Using Stateless Updaters and Presenters

Module 7 - Advanced React

Learn the most essential remaining React fundamentals.

- React CSS Styles
- Style Names and Values
- Presentational and Container Components
- Static Property
- Type Checking
- Controlled vs. Uncontrolled Form Fields
- Controlled Components



המרכז הבינלאומי
ללימודי הייטק וחדשנות

* 6377

מתקדמים
לקריירה בהייטק



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קמפוסים בפריסה ארצית:

באר שבע

רחוב האנרגיה 77
פארק ההייטק

ירושלים

רחוב יפו 34

רחובות

רחוב אופנהיימר 5
פארק המדע

תל אביב

ראול ולנברג 36
קריית עתידים