A plan for learning React

# Version Information

Satya Komatineni, 6/5/25

Version 1

Ongoing effort…

Contents

[Version Information 1](#_Toc200040499)

[Goal 2](#_Toc200040500)

[Topics in React (To the best of my ability) 2](#_Toc200040501)

[Other high level related technologies - Basics 3](#_Toc200040502)

[Other high level related technologies - 3](#_Toc200040503)

[Resources 4](#_Toc200040504)

[Other Notes 5](#_Toc200040505)

[How do I get started? – Still a question for me. 5](#_Toc200040506)

[What would be a good sample and a comprehensive UX project? 5](#_Toc200040507)

# Goal

Learn React quickly (if that is possible)

Good luck.

# Topics in React (To the best of my ability)

|  |  |  |
| --- | --- | --- |
| # | Topic | Detail |
| 1 | JSX and Components | 1. These are files with .jsx extension 2. They use arrow functions to define components 3. It is a combination of html and javascript 4. These are compiled into optimized .js file by the various react builds |
| 2 | useState |  |
| 3 | useEffect |  |
| 4 | useContext |  |
| 5 | useReducer |  |
| 6 | hooks |  |
| 7 | Event handling |  |
| 8 | Router/Routing |  |
| 9 |  |  |
| 10 |  |  |

# Other high level related technologies - Basics

|  |  |  |
| --- | --- | --- |
| # | Topic | Detail |
| 1 | Node and related |  |
| 2 | Remix/React router |  |
| 3 | Create react app |  |
| 4 | Vite | This seems to be preferred way to setup projects. |
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| 6 |  |  |
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| 8 |  |  |
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# Other high level related technologies -

|  |  |  |
| --- | --- | --- |
| # | Topic | Detail |
| 1 | NextJS |  |
| 2 | Redux |  |
| 3 | Bootstrap |  |
| 4 | Tailwind |  |
| 5 | Material UI |  |
| 6 | Remix/React Router |  |
| 7 | User Management |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |

# Resources

|  |  |  |
| --- | --- | --- |
| # | Topic | Detail |
| 1 | Learn React | <https://react.dev/learn>  Main home page. As good as any other. |
| 2 | Book: Beginning React, | Nathan Sebhastian.  Start here. |
| 3 | Book: Next.js development | Nathan Sebhastian  Do this next |
| 4 | Learning React from O’Reilly | Do not choose this book. |
| 5 | React Material UI | Adam Bodush. [May be….] |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |

# Other Notes

1. I do not know if there are any good online courses or youtube videos. Do that research yourself
2. The react learning site from React may be a good place to start. I haven’t verified though.
3. I found Beginning React to be good and to the point and short.

# How do I get started? – Still a question for me.

1. How do I install it?
2. What do I install?
3. What is my first hello world project?
4. How do I create a simple page with header, footer, and content?
5. How do I style my page?
6. How do I introduce menus?
7. How do I populate content based on menu change?
8. How do I use material ui?
9. How do I read data from server?
10. How do I use routes to go to multiple pages?
11. Etc….

# What would be a good sample and a comprehensive UX project?

tbd