# Fundamentals of Building with React and Server-side Rendering



Peter Kellner

DEVELOPER, CONSULTANT AND AUTHOR

@pkellner linkedin.com/in/peterkellner99 PeterKellner.net

### React and Server-side Rendering

Modern

JavaScript

(ECMASCRIPT 6)

Node.js



### React and Server-side Rendering

### **JavaScript**

Modern language features including ECMAScript6

### Node.js

Used for module loading (like require.js or common.js)





# Building a Simple React App with No Build System



DOM methods to write text to browser Replace DOM methods with React calls Create React functional component Pass props to a component Convert functional to class component Using JSX files and Next.js as build system Building a server-side rendered digital clock



### Developer Tools

WebStorm

VSCode, Komodo, Adam, Sublime





Replace DOM methods with React calls





DOM methods to write text to browser





**Create React functional component** 





Pass props to a component





Convert functional to class component





### JSX and Next.js Background

### Steps to JSX with Next.js



**Install React and Next.js** 

**Update Packages.json** 

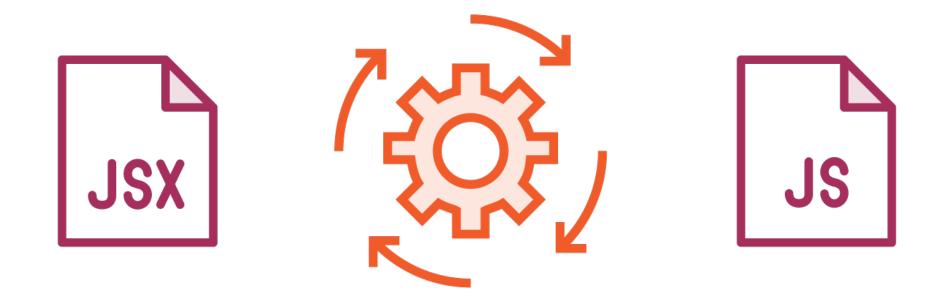
Create pages directory

Add index.js

Run server-side app



### JSX Preprocessor



Browserify

Webpack

Babel





Using JSX files and Next.js as build system





Building a server-side rendered digital clock with external CSS



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## Building a Server-side Rendered Digital Clock



# HTML











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### Takeaways



React is modern JavaScript

React is component based

Server-side rendering fundamentals important

