

HTML & CSS

1. HTML Tags/Attributes
2. CSS
3. More HTML
4. Beginning Bootstrap

INTRO TO JAVASCRIPT

1. Git Ready / JavaScript Intro
2. Primitives, Variables, Arrays and Functions
3. JavaScript with jQuery Introduction
4. Forms, Loops and Decision Structures
5. Scopes and Closures

OBJECT ORIENTED JAVASCRIPT

1. JavaScript Objects
2. More on Objects
3. Finish Objects
4. Project on JavaScript

NODE.JS

1. Intro to Node.js
2. History of Node.js
3. Non-Blocking I/O
4. Node.js Benefits
5. Evolution of Node.js Frameworks
6. Node.js Basics
7. Node.js Global
8. Node.js Process
9. Modules and Require in Node.js
10. Core Node.js Modules
11. Node.js Module Patterns
12. Node.js Command-Line Interface Arguments
13. Running Node.js Scripts
14. Node.js Shell (REPL)
15. Node.js File System Module
16. Node.js Sample Project
17. Building "Hello World" in Node.js
18. Node.js Core Modules
19. Node Package Manager
20. Deploying "Hello World" to PaaS
21. Deploying to Heroku
22. Message Board REST API: Run-Time Memory Version
23. Test Case for Message Board

EXPRESS.JS

1. Express.js
2. Installation
3. Express.js 4 Generator

4. Configuration
5. Routers
6. Main Middleware
7. Jade Template Engine
8. Stylus CSS library
9. RESTful API
10. Express.js API
11. GET, POST, PUT and DELETE
12. Request
13. Response
14. Error Handlers
15. Scaling

MONGO DB

1. MongoDB and NoSQL
2. NoSQL and CAP Theorem
3. MongoDB Database
4. MongoDB shell (mongo)
5. MongoDB Native Driver (mongodb)
6. MongoDB on Heroku: MongoHQ
7. MongoDB BSON data types
8. Message Board REST API: MongoDB Version

REACT JS

1. React and JSX Basics
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3. React.js Benefits
4. Downloading React.js
5. Hello World, React.js
6. React.createElement Method
7. ReactDOM.render Methods
8. JSX and React
9. Babel Transformer for JSX
10. React's Standard Components
11. React's Composable Components
12. Nesting React's Components
13. Properties in React's Components
14. Outputting Variables in JSX and React
15. React.js Features
16. React States
17. Setting Initial State in React.js
18. Updating States
19. Outputting React.js States
20. React.js Props vs. States
21. Creating and Calling React Component Methods
22. React Component Events
23. React Patterns for Using Props

24. React Component Lifecycle Events

ADVANCED REACTJS

1. Testing with Jest
2. Redux—Data Flow for React.js
3. React.js Router Demo
4. React Native Demo
5. Isomorphic React.js with Express.js