

# Full Stack JavaScript Bootcamp 2.0

Learn everything about JavaScript with React, Nodejs, MongoDB, React Native, Tailwind, etc. Build industry-ready projects for web and mobile.

Duration :

Language : English

Price : 17700

## What you will learn?

- HTML and DOM
- Starting with CSS
- Working on coming soon template
- Mobile responsive webpages
- Register a new account
- CSS animation and libraries
- Flexbox in CSS
- Projects- HTML & CSS
- JavaScript Refresher
- Project - JavaScript
- JavaScript interview questions
- Create a react template
- Getting friendly with states
- Building a Tic Tac Toe
- Learn React Context API with projects
- Making Project with Nodejs
- Getting Started with Reactive Native
- Making Project in React Native

## Features

- Full stack Web Developer certification
- Job guarantee Program
- One year of internship
- Revision Classes
- Online Instructor-led learning: Live teaching by instructors
- 50+ hands-on industry real-time projects.
- 100+ hours live interactive classes.
- Every week doubt clearing session after the live classes.

- Lifetime Dashboard access
- Doubt clearing through mail and discussion forum
- Assignment in all the module
- Quiz in every module
- A live project with real-time implementation
- Resume building
- Career guidance
- Interview Preparation
- Regular assessment
- Job Fair and Internal Hiring
- Mock Interview
- Course material
- Course resources
- On demand recorded videos
- Practical exercises
- Quizzes
- Assignments
- Course completion certificate

## **Requirements**

- System with Internet Connection
- Interest to learn
- Dedication

## **Course Curriculum**

### **Getting started**

- Introduction to web dev
- Get the development tools
- your first hello world
- Goal of this course and instructions
- Tools for backend developer
- Mongodb MAC install
- Mongodb WIN install
- MongoDB in cloud - Atlas
- Mongo GUI - compass

## **We do not write without emmet**

- Getting started with emmet
- Emmet and speedy html
- Parent child and grouping
- emmet in css

## **HTML and DOM**

- An old style blog
- Why DOM is important
- Inline vs Block and bring in images
- Lists and interlinking pages
- Getting a video on service page
- 3 Plans in a table
- GET and POST forms
- Types of input forms

## **Starting with CSS**

- Secret to learn CSS
- Explore and bring in fonts
- Bring in colors and styles
- Transition and box shadow DOCS
- Margin and padding
- Button gets all and assignment

## **Working on coming soon template**

- Introduction to CSS variables and new project
- Browser defaults and variables
- Getting more control over elements

## **Mobile responsive webpages**

- What are media queries
- Media query in action
- App landing page - setup
- Navigation bar for website
- Bring content in columns
- Cover image in css
- Start with flexbox

- Buttons and columns in flexbox
- Absolute position in CSS
- Media query for 2 screens

## **Register a new account**

- Handle conflict in CSS
- Strategy and placing html
- Class and ID for testers
- Where to use z index
- Bootstrap style of CSS
- Fixing CSS on form
- Doing your assignment

## **CSS animation and libraries**

- Animation and keyframes
- Third party animation library
- Razorpay style clipping
- Not a payment gateway integration

## **Flexbox in CSS**

- What is flexbox
- Get to know the power of flexbox
- Flexbox series-Axis and Flex direction
- Flexbox series -justify content
- Align items in flexbox
- Flexbox series ordering the elements
- Flex grow in flexbox

## **Projects- HTML & CSS**

- Mock up with design files to code files -1
- Mock up with design files to code files -2
- Mock up with design files to code files -3
- Mock up with design files to code files -4
- Mock up with design files to code files -5

## **JavaScript Refresher**

- Welcome to JavaScript Course

- What are JavaScript engines
- What ES version of JavaScript is good for us
- Variable and datatypes in JavaScript
- Our first User Signup
- Operators in JavaScript Calculate discount
- Type and Operator precedence in JavaScript
- What are conditionals in JavaScript
- Logical conditional Login in JavaScript
- Ternary operator in JavaScript
- Switch for role-based access in JavaScript
- Coercion and falsy values in JavaScript
- Basics of functions in JavaScript
- Functions in variable User Role in JavaScript
- Understand the context in JavaScript
- Code hoisting in JavaScript
- Scope chaining in JavaScript
- Light intro to THIS in JavaScript
- Introduction to Array in JavaScript
- Callback and arrow function introduction in array
- Fill and Filter in Array in JavaScript
- Slice and Splice in JavaScript
- Objects in JavaScript
- Methods and objects in JavaScript
- For loop basics in JavaScript
- While and do while loops in JavaScript
- For Each loop in JavaScript
- For in and for of loop in JavaScript
- Confusing part of THIS in JavaScript
- What is DOM
- How to grab web elements in JavaScript
- A counter project in JavaScript
- Get Computed properties in JavaScript
- Event listener in JavaScript
- New keyword in JavaScript
- What is proto in JavaScript

- Better code with object chain in JavaScript
- Objects from MDN docs
- Self-Executing Anonymous Function and functional programming
- Lexical scoping in JavaScript
- Closure in JavaScript
- Borrow a method using bind
- Get to know node Elements in JavaScript
- Generating elements and Text node in DOM
- Solution of Scope problem in JavaScript
- Template literals in JavaScript
- Maps in JavaScript
- Destructure the data in JavaScript
- Spread and REST operators in JavaScript
- Classes and module exports in JavaScript
- Private props getters and setters in JavaScript
- Inheritance in JavaScript
- Event loop Will JavaScript wait
- Promise async and await in JavaScript
- How to Handle API in JavaScript
- Get to know game files
- Logic of game JavaScript
- Fixing the bug in game JavaScript
- What is new in JavaScript 2021
- Why iife appears in JavaScript interviews
- Quirky Behavior of JavaScript

## **Proejct - Javascript**

- Project overview
- Project business case
- Project Mockup
- Project setup
- Project code
- Project Deployment
- Project hyper care

## **JavaScript interview questions**

- JavaScript industry ready interview questions - 30

## **Introduction**

- Intro to REACTJS course

## **Getting started with ReactJS**

- How to use exercise files
- What is react and myths
- Tools that we need

## **Going All classic**

- Section 2 introduction
- Finishing the hello world task
- Delete and recreate everything
- Adding CSS to our Hello World
- Everything in its own file
- Reusable components

## **Create a react template**

- Section 3 introduction
- Understand the existing template
- Move navbar and understand the errors
- Convert the HTML template into React App
- Reusable Card and Assignment

## **Getting friendly with states**

- Section 4 introduction
- What are props and states
- Preparing the state based applications
- Complete counter application
- Assignment for counter app

## **Building a Tic Tac Toe**

- section 5 Introduction
- Your need to study first
- Preparing the Tic Tac Toe
- Sending icons from components

- Setup layout for tictactoe
- Game is almost working
- Finishing tictactoe and assignment

## **Learn React Context API with projects**

- Section 6 Introduction
- The problem that contextAPI solves
- Detail on Context and Provider
- Detail on Consumer in contextAPI
- Understand the working of dark and light mode
- Creating a theme Toggler with Context API
- Finishing the theme switcher app

## **App with Context API with reducers and actions**

- Section 7 introduction
- What are we building here
- Create brain of the application
- useReducer for our app
- Add an input form
- Sending a dispatch
- Display the context data and dispatch

## **Local storage and useEffect hooks**

- Section 8 introduction
- Introducing the Effect hook
- A form to submit the data
- Looping through all the values
- Hooks and local storage in action

## **Learn to handle API**

- Section 9 introduction
- Learn to read docs for API
- lets read Axios docs
- Drill down the API
- Extracting information from API

## **Designing a shopping cart API**



- Section 10 introduction
- A walk through Pexels and JSON
- Add item to the cart
- Buy item and remove item
- Fetching photos from API
- Store everything in state
- Card for every product
- Create cart section
- Bring the shop together
- Removing the duplicate

## **Firebase with Github App**

- Section 11 introduction
- What we are about to build
- React Router crash course
- Your tour to configure firebase
- Read firebase docs with me
- Creating components for firebase app
- Bring in the react router
- Headers and Footers
- Conditional rendering in Navbar
- Adding firebase configuration
- User Signup in firebase
- Logout and signin user
- User card component
- Repo component
- Home page and finish the app

## **Firebase real time database**

- Section 12 introduction
- A challenge application
- Firebase real time database
- Setting context and actions
- Creating reducers for contact
- Header and Footer tasks
- How to upload image in firebase storage

- Add and update contact in firebase
- Add or update finder
- Update star and delete contact
- Use dispatch and FIXME
- Get all data from firebase
- Loop through firebase object
- Firebase finale and assignment

## **Bonus-Redux App**

- 3 Principles of redux
- Bring in the central state
- Actions make redux simpler
- Reducer - brain part of app
- Component dispatching the info
- 2 most important method for Redux
- Provider to give access of store
- Finally creating that store

## **React project**

- Chat app with react
- Project overview
- Project business case
- Project Mockup
- Project setup
- Project code
- Project Deployment
- Project hyper care

## **React interview question**

- React industry interview question - 30

## **Resume Discussion**

- Key points for your resume
- Templates for resume
- Project for your resume
- prepare your GIT

- prepare your social media profile
- prepare your demo for your resume
- Detail project report
- resume verification
- place where you can apply for job
- Final touch
- Go get your Dream job
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- Resume Discussion

## **MongoDB**

- What is mongoDB
- How does mongoDB works
- What is mocha and need of mocha in mongodb
- Big umbrella of MongoDB
- How to install mongoDB on MAC
- How to install mongoDB on Windows
- Create and Read operation in MongoDB
- ObjectId and BSON in mongoDB
- Triple A and CRUD operations in mongoDB
- UpdateOne and DeleteOne in #mongoDB
- UpdateMany and deleteMany in mongoDB
- Database issues with Update in mongodb
- Getting more data in #mongodb
- Save bandwidth while querying in mongoDB

- Understanding objects structure in mongoDB
- Understanding Arrays in mongoDB
- What is schema in mongoDB
- Database modeling mongoDB series
- Relation in database mongoDB
- One to one relation in mongo database with id
- One to many relation in mongo database
- Many to Many relation in mongoDB
- Exploring mocha, mongo and mongoose
- Creating file structure and installing dependencies
- Creating our first student schema
- Connecting with mongoddb with mongoose
- BlueBird and Q promises
- Hooks in mocha
- Describe and it blocks for mocha test
- Your first create test using mocha
- Using beforeEach in mocha tests
- A read test in mongoDB
- A delete test for mongoDB
- An update test in mongoDB

## **Project :- Take it up to Heroku - Production**

- Things you need to deploy on Heroku
- Plan your application
- Types of web request
- Framework - Express, Koa, Hapi
- Starting with package JSON file
- Your first express app
- Request Response and Status code
- All social routes
- Handle the date situation
- Parameters and bugs in route
- Pushing app to HEROKU
- Debug social app in production

## **Project:-Swagger Docs**

- What is swagger and api docs
- Nodemon ext and YAML docs
- Authentication token for swagger docs
- Docs for HTTP methods swagger
- A new documentation centric project
- Setup information - swagger
- Authentication and Authorization - swagger
- String based GET request - swagger
- handling objects - swagger
- handling array in Swagger docs
- Sending data in URL - swagger
- managing request body in swagger
- handle url query in swagger
- handling images in swagger
- handling header tokens in swagger

## **Project:-Authentication**

- What we have done till section 3 - backend
- Hiding secrets in backend
- Picking up a database for backend
- Why we need mongoose - ODM
- Pro db modeling tools
- Creating model for auth system
- Creating basic structure for auth system
- Creating user schema and dotenv
- Registering a user in auth system
- Database connection in auth system
- What is a middleware
- Handling password situation
- What is JWT and creating token
- Register route in auth app
- Login flow for auth app
- Web vs Mobile
- Writing custom middleware
- Setting up secure cookies

## **Project :-File, image and form handling**

- Why people face issue in image upload
- Cloudinary and EJS
- How GET works and postman issues
- Using template engines
- Biggest confusion in front end forms
- Handling images in forms
- Handling images in forms part 2
- upload image to cloudinary or other providers
- Handling multiple files and uploading them

## **Project:- Theory and Razorpay**

- File structure for production app
- Getting a logger - MORGAN
- Error handler and Promises
- Sending emails using nodemailer
- Why mongoose docs are important
- Razorpay project
- Razorpay front end integration

## **Project:- Big Ecommerce app starts**

- Project requirement
- User modeling and file structure
- Product model discussion
- Order Model discussion
- How forgot password feature work
- Functions in user model and hooks

## **Project:- Basic Config and imports**

- Getting files and folders ready
- Preparing basic express app
- Routes and controllers in dummy
- Injecting docs and middleware
- Custom error handlers
- The big Promise

## **Project:- User model and signup**

- Creating a user model and validator
- password encryption and mongoose prototypes
- Validating the password
- creating JWT tokens
- forgot password and crypto hashing
- User routes and postman
- Signup a user and cookies
- Database connection
- Testing the user signup with postman
- Handling image upload
- Testing photo upload and user signup
- yes, we know about postman files

### **Project:- User controllers and routes**

- Login route and controller
- logout controller and route
- Send email from node
- Forgot password controller
- Reset password controller and routes
- Middleware - injecting information
- User dashboard controller and routes
- Update the password for a user
- Updating the user profile
- User, admin, manager and more roles
- Manager only routes
- Admin get a single user
- Admin can update any user
- Admin can delete a user now

### **Project:- Working on Product Model**

- Product middleware setup for routes
- Product Model and refs
- A long talk on URL replace and mongo operators
- Creating a product
- Where clause in search
- Where clause Pager

- Aggregation filter in Where Clause
- Get all products with WHERE and pager
- Debugging and testing of product add and get

### **Project:-More routes in Products**

- Single product route
- Update the product with photos
- Delete a product and minor bug
- Testing and debugging
- Add a review
- Delete a review and requested routes
- Configure routes for reviews

### **Project:- Razorpay and Stripe**

- Stripe Docs
- Stripe controllers
- Razorpay payments and order
- Setup payment routes

### **Project:- Processing Orders**

- Order model in action
- Creating a order and BSON
- Testing create order and routes
- Populate fields in order
- Order of routes is important
- Updating the stock
- Delete order and push to git
- Pushing code to production server

### **Project :- Auth and Social Logins**

- Social login foundation and demo app
- Consent screen and API keys
- Why passport js
- Package installation
- Home routes and EJS
- Preparing routes for login



- Showing consent screen of google
- Getting information and email from google
- Moving google data to database
- Serialize and deserialize user
- Protect the Home

## **Web Development interview question**

- industry ready interview question - 100

## **Resume Discussions & Preparation**

- Key points for your resume
- Templates for resume
- Project for your resume
- prepare your GIT
- prepare your social media profile
- prepare your demo for your resume
- Detail project report
- resume verification
- place where you can apply for job
- Final touch
- go get your Dream job

## **Getting started with React Native**

- What is React native
- Tools we will need
- Installation of tools in MAC
- First Hello World in Android emulator
- How to install chocolatey in Windows
- Android installation and setup on WINDOWS
- Running your first react native app on Windows and AVD
- Run app on real Android device

## **Getting started with First app**

- Strategy for this app
- What is metro
- File structure of react native app

- Get it done from scratch
- 3 ways to style elements in react native
- More styling of text
- State in react Native
- Touchable and props in react native

## **App to handel Images**

- Strategy for dice roller app
- Basic structure of dice roller
- Writing CSS for dice Roller
- Dice roller complete and 2 assignments

## **App to handle sound**

- Strategy to handle Spanish number app
- Adding third party code in react native
- ScrollView and sound import in react native
- Unique keys for iterable in React Native
- More on React native flexbox
- Playing sound in react native app

## **App to handle user Input**

- Getting started with currency App
- Basic currency values
- Formating text input and result container
- Buttons and keyboard dismiss
- Handling error in input

## **Camera App - Profile Picture**

- Permissions in Camera App
- Having image in state
- Click a photo
- Load image from state

## **Handel third party lib with Game app**

- Getting started with native base
- Installation and configuration of native base
- Your first custom component

- Having a plan of action for ticTacToe
- Win message and reset game
- Finishing game and debugging

## **Reactive native router and local storage**

- Overview of netflix store app
- Going with all installation and screens
- Getting navigation setup ready
- Adding a FAB and moving to add screen
- UI for add season list
- Async Storage in react native
- Home screen setup for seasons
- React native hooks
- Custom hooks in react native
- Checked and delete seasons
- Update and fix the bugs

## **Handling API and web requests**

- Getting started with API
- How to read API
- Fetch a web request
- Pass info to another component
- making card for user

## **Redux in React Native**

- Getting started with Redux
- Redux Three Principles
- action in REDUX
- Reducer in REDUX
- Store in REDUX
- Provider in REDUX
- Dispatch props in REDUX
- state to props in redux

## **Instagram clone - Mega Section**

- Instagram challenges in app

- Having a firebase project
- Connect firebase to RN project
- Auth and Database basics in RN
- Enable MultiDex and action
- Signup a new user
- Register a user in database
- Signin and signout a user
- Dispatch and database events
- Handling all reducers
- Lets create a lot of files
- Store provider and new workflow
- Ask Permission to user
- Redux hooks and firebase subscribers
- screen options to Custom header
- Custom header component
- Midway debugging session
- Prep work for image upload
- Upload image to firebase from mobile
- Testing signup in firebase
- Handle signin screen and testing
- UI and config for addPost
- Adding post to firebase
- sending post to firebase and resolving bugs
- Handling home page
- Iron out bugs and prepare post component
- Like and dislike feature

## **Mega Project**

- Food Delivery Application
- Ecommerce
- Stackoverflow Clone

## **Mock Interviews**

- Mock Interviews