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## Full Stack JavaScript Bootcamp 2.0

### Description:

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

**Start Date:** 30th Oct 2022

**Doubt Clear Time:** 06:00 PM to 09:00 PM (IST) Thursday

**Course Time:** 3 PM - 5 PM IST Saturday - Sunday

### 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

### **What we 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

**Requirements:**

- # System with Internet Connection
- # Interest to learn
- # Dedication

**Instructor:**

**Name:**

Hitesh Choudhary

**Description:**

I like to make videos related to code and tech in my free time. I

also lead a few tech teams in startups, help in hiring talent for companies. I am also on a part time traveller, with 31 countries checked off so far!

**Name:**

Anurag Tiwari

**Description:**

Hey, I am Anurag Tiwari, a developer at learncodeonline. We have built a scalable system handled by 300K users on a daily basis. I'm a software developer who constantly seeks innovative solutions to everyday problems. I have been teaching students for the last 24 months.

**>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

>>Ememet 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

>>Key points for your resume

>>Templates for resume

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>>Place where you can apply for 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 mongodb 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

>>ScrollViews 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