

CoE - JavaScript Training Curriculum - 2021

Sl No	Topics	Week #	Day #	
	BASICS OF WEB UI			
1	HTML5, CSS3	Week 1	Day 1	
2	JAVASCRIPT			
	JavaScript Data types, Objects, Arrays, Strings, Events, Prototypes, Closure, Functions, DOM, Forms		Day 2	
	AJAX			
3	ES6		Day 3	
	Arrow functions, Class, Inheritance, Super Keyword, Map, Promise			
	REST parameter, Spread operator, Array - Map, Reduce, Filter, forEach, Modules, Template literals, Let, Const, Destructuring		Day 4	
4	Babel			
	Introduction & Basics		Day 5	
5	jQuery			
	Event handling, Selectors, Ajax			
	Leetcode Coding - Result Check			
	JAVASCRIPT FRAMEWORKS			
6	RWD	Week 2	Day 6	
	Media queries, bootstrap			
7	AngularJS 1.5		Day 7	
	Basics directives, Services, Factories, Providers, Routing		Day 8	
	Custom directives, \$digest, \$watch, \$apply, \$q, Prelink / Postlink in custom directives, \$http			
8	RequireJS			
	For lazy loading angular files (optional)		Day 9	
9	NodeJS			
	Internals, Process, Modules, require(), Events, Streams			
	Async Await, Promisify, Handling files	Day 10		
	Express Framework. JWT tokens, OAuth			
	Leetcode Coding - Result Check			
	Handling errors, Logging errors, Handling uncaught exceptions, REDIS caching, Middlewares, Bcrypt	Week 3	Day 11	
10	MongoDB			
	Basic commands, Mongoose for introducing schema, Logical operators, Regular expression		Day 12	
	count(), Pagination queries, updating documents, Builtin Validators, Custom Validators, Handling exceptions			
11	MEAN Stack with AngularJS			
	MEAN Stack project		Day 13	
12	Unit Testing			
	JEST for testing	Day 14		
	Jasmine			
13	Visualization		Day 15	
	D3.js - Charts, Maps, Handling data rendering			
	Leetcode Coding - Result Check			
	Visualization	Week 4		
	Angular Fusion Charts		Day 16	
	High Charts			
	Grunt			
14	GULP		Day 17	
	Basics, JSHINT, uglify, cosmic, watch			
15	NPM			
	Publishing Packages			
16	CSS Tools			
	LESS / SASS		Day 18	
17	Angular 8			
	Components, Data & Property Binding			
	Event Binding, Two way Binding		Day 19	
	Components, Data & Property Binding			
	Event Binding, Two way Binding	Day 20		
	Pipes, Interfaces, Styles, Life cycle Hooks			
	Custom Pipes, Services, HTTP Services			
	Leetcode Coding - Result Check			
	Angular 8	Week 5	Day 21	
	Observables, Nested Components			
	Passing Data to Nested Components			
	Handling Parent/Child Components			
	Angular 8		Day 22	
	Template Reference Variables			
	ngSwitch, ngSwitchCase, ngClass			
	Content Projection			
	Injection Token, Routing, URL Parameters			
	trackBy, Route Guards, Styling Route Links			
	JWT Integration, HTTP Interceptors		Day 23	
	Sibling Components, View Encapsulation			
	Hot/Cold Observables		Day 24	
	ng-template, ng-container			
	Angular 6 / 4 / 2	Day 25		
18	MEAN Stack with Angular 8			
	MEAN Stack with Angular 8			
	Technical Mock Interview - Round #1			
	HTML5, CSS3, Bootstrap CSS, JavaScript, jQuery	Through Day 21 to Day 25		
	Leetcode Coding - Result Check			
19	REACT JS	Week 6		
	Components, High Order Components		Day 26	
	Events, State, Props			
	Functional Components, Routing			
	REACT JS		Day 27	
	React + REDUX			
	React + THUNK		Day 28	
	React + FLUX			
20	MERN Stack		Day 29	
	MERN Stack App		Day 30	
	MERN Stack App			
	Leetcode Coding - Result Check			
21	Angular Plugins	Week 7		
	Angular + Firebase		Day 31	
	Angular UI			
	Angularstrap			
	REACT JS		Day 32	
	React + D3			
	Unit Testing			
	Jasmine + Karma			
	Mocha + Chai			
22	Jenkins		Day 33	
	CI/CD for MEAN Stack App			
	Jenkins		Day 34	
	CI/CD for MERN Stack App			
	Angular Plugins		Day 35	
	Angular + PubNub			
	Technical Mock Interview - Round #2			
	NodeJS, Angular 8 / 6 / 4 / 2, ReactJS			
	Leetcode Coding - Result Check			
23	React Native	Week 8		
	Getting Started, Basics		Day 36	
	Debugging			
	Styling - Flexbox, Local Images & Icons			
	Components - Flatlist, SectionList, ScrollView			
	Navigation - Push/Pop, Replace, Pass & Read			
	Navigation - Params, Dynamic Options		Day 37	
	State Management & Redux			
	Handling HTTP Requests			
	Publish React Native Apps			
	Add-Ons			
	Grafana		Day 38	
	React with Saga		Day 39	
	GraphQL			
	Best Practices	Day 40		
	JavaScript Best Practices			
	Angular Best Practices			
	Vue.js	Week 9		
	Basics		Day 41	
	Router, Vuex		Day 42	
24	IaaS with AWS			
	IAM, EC2, ELB		Day 43	
	Deploying MEAN/MERN on AWS		Day 44	
	S3, Lambda, DynamoDB, APIGateway	Day 45		
	Leetcode Coding - Result Check			
26	JAVA Technologies	Through Week 1 to Week 4		
	Core Java			
	Hibernate 5			
	Spring 5			
	Spring Boot 2.0			
			Basics	2 Weeks
			JS Frameworks	4 Weeks
			Jenkins	2 Weeks
			React Native	
			Cloud	
			Others	1 Week
			AI/ML	2 Weeks