

Exhaustive MERN Stack Course

Learn full-stack web development with one of the best designed courses on MERN stack.

14
MODULES

80+
TOPICS

200+
EXERCISES

40+
PROJECTS

UNIX & GIT

-
- Introduction to Git
 - Branching and Merging in Git
 - Collaborating with Github

HTML & CSS FUNDAMENTALS

TOPICS

- Introduction to Web and HTML & CSS
- Box Model
- Positioning
- Flexbox
- Typography
- Adding Media, Lists, Tables, Forms
- Responsive Web Design

PROJECTS

- Building Resume in HTML & CSS
- Local Gym Website
- Web Developer Conference Website
- Insurance Company Website
- Blog
- Gallery

JAVASCRIPT FUNDAMENTALS

TOPICS

-
- Data Structure (Arrays and Objects)
 - Array and String methods
 - Debugging & Chrome Developer Tools
 - Introduction to DOM
 - DOM and Events

PROJECTS

- Implement array methods
- Calculator
- Chrome extension
- Memory Game
- TODO app
- People of GOT
- Login and signup modal

ADVANCED CSS

TOPICS

- Complex Selectors
- Preprocessor (SASS)
- Transform, Transition & Animation
- CSS Grid

PROJECTS

- SaaS - Admin Panel Layouts
- Portfolio Design
- Browser Extension Design

ADVANCED JAVASCRIPT

TOPICS

- Higher order functions
- Scope
- Closure
- Advanced DOM & Canvas
- Prototypal nature of object
- Prototypal inheritance, this & classMembers
- AJAX, Promise & Async/await
- Error Handling & Writing Tests

PROJECTS

- 2D Breakout Game
- Quiz app using OOP
- Implement fetch
- Reddit clone
- Github finder

NODE.JS

TOPICS

- HTTP Protocol
- Introduction to Node.js
- Node.js Architecture
- Creating HTTP server

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- Package Manager and External modules

PROJECTS

- Dynamic Portfolio App
- Building CLI in Node.js
- FileSystem CRUD

MONGODB

TOPICS

- SQL vs NoSQL
- Introduction to MongoDB
- Working with Mongo Shell
- CRUD operations in MongoDB
- Advanced query and update operations
- Indexes
- Aggregations

PROJECTS

- Twitter Database Model

SERVER SIDE APPS WITH EXPRESS.JS & MONGODB

TOPICS

- Express.js Fundamentals
- Middlewares in Express.js

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- Mongoose ORM
 - Designing Database Models
 - Error Handling & Writing Tests
 - CRUD in Express with Mongoose
 - Session Based Authentication & Authorization

PROJECTS

- Blog App
- Shopping Cart
- Book Store

API & AUTH

TOPICS

- OAuth using Passport.js
- APIs in Node.js
- JWT based Authentication
- API Versioning, Authentication & Authorization

PROJECTS

- Medium Clone API
- Shopping Cart
- Book Store

REACT.JS FUNDAMENTALS

-
- Component and Props
 - State and Events
 - Lifecycle and Data fetching
 - Forms (Controlled Component)
 - Lifting state up
 - Thinking in React
 - Type Checking with PropTypes

PROJECTS

- ToDo App
- News App
- Tic tac toe

ADVANCED REACT.JS

TOPICS

- Routing in React
- Authentication and authorisation
- Uncontrolled Component
- Context
- Accessibility & Error Boundaries
- Why Redux?
- Async Actions, Reducers and Store in Redux
- Redux Middlewares and Connecting with React
- Optimizing Performance
- React Hooks

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- Medium Clone
 - Redux Implementation
 - Writing Custom Redux Middleware
 - Instagram Clone

ADVANCED SERVER SIDE APPLICATIONS

TOPICS

- Advanced Database Design
- Realtime Apps with Socket
- Caching with Redis
- Working with third-party APIs

PROJECTS

- Slack Clone

WEB SECURITY & DEPLOYMENT

TOPICS

- XSS, CSRF, CORS
- Session Attacks
- DDoS
- Configuring & Deploying Applications

TOPICS

- Linked List, Queue, Stack, Hash Table, Heap, Tree
- Math, Sets, Strings
- Sorting and Searches

EXERCISES

- Solve 100s of problems

CAPSTONE

TOPICS

- Putting Everything Together

PROJECTS

- Shopify Clone

Ready to build stuff? Get started now.

START BUILDING