Full-Stack Web Development Roadmap (JavaScript > Node.js > React)

1. JavaScript (Bro Code Course - Complete)

- Learn variables, functions, loops, arrays, objects, DOM manipulation, events

- Practice basic projects: calculator, to-do list, rock-paper-scissors

- Time Estimate: 30-40 hours (including projects)

2. Node.js (Backend JavaScript)

- Learn Node.js basics, npm, modules, and Express.js

- Understand REST API, routing, middleware

- Practice file handling, environment variables, and using Postman

- Database: Learn MongoDB or MySQL basics and integration

- Projects: To-do API, login system, file upload service

- Time Estimate: 30-50 hours (watch + build)

3. React (Frontend Library)

- Learn JSX, components, props, state, and hooks (useState, useEffect)

- Routing with React Router, conditional rendering, and controlled forms

- Fetching data from APIs and building dynamic UIs

- Projects: Weather app, task manager, blog frontend, portfolio

- Time Estimate: 40-60 hours (watch + build)

4. MERN Stack Integration

- Combine MongoDB, Express, React, and Node to build full-stack apps

- Use API routes in Express + React frontend with fetch/axios

- Implement user authentication (JWT or session-based)

- Projects: Full blog, notes app, e-commerce site (frontend + backend)

- Time Estimate: 50-80 hours

Final Tips

Full-Stack Web Development Roadmap (JavaScript > Node.js > React)

- Don't rush - apply what you learn by building small projects after each section

- Break your time: 1-2 hours daily = steady progress

- Join dev communities for feedback and challenges

- Build a GitHub portfolio with your completed projects