

Full Stack Developer Daily Roadmap (Weeks 1-4)

Week 1: Web Development Fundamentals

- Day 1: Internet & HTML Basics
 - What is the internet, HTTP/HTTPS
 - HTML elements: headings, paragraphs, links, lists
 - Practice: Create a basic personal profile page
- Day 2: HTML Forms + Semantic HTML
 - Forms: input, textarea, select
 - Semantic tags: article, section, nav
 - Practice: Create a contact form
- Day 3: CSS Basics
 - Selectors, colors, fonts, box model
 - Internal vs External CSS
 - Practice: Style the profile/contact page
- Day 4: CSS Layout
 - Display types, position, z-index
 - Flexbox basics
 - Practice: Page with navbar, sidebar, content
- Day 5: Responsive Design
 - Media queries, units (% , em, rem, vh)
 - Practice: Make your layout mobile responsive
- Day 6: Basic Project
 - Build a static responsive site (e.g. Portfolio or Landing Page)
- Day 7: JavaScript Introduction
 - Variables, data types, operators, functions, loops
 - Practice: Simple calculator or age checker

Week 2: JavaScript & DOM Manipulation

- Day 8: JavaScript Functions & Arrays
 - Function types, array methods, loops
 - Practice: Todo list array, temp converter
- Day 9: Objects & ES6 Basics
 - Object properties, destructuring, template literals
 - Practice: User profile object display
- Day 10: DOM Basics
 - querySelector, create/remove elements, styling
 - Practice: Interactive list or color changer
- Day 11: Event Handling
 - addEventListener, event object, validation
 - Practice: Form validation with messages
- Day 12: Local Storage
 - setItem, getItem, JSON.stringify/parse
 - Practice: Notes or todo app with persistence
- Day 13: JavaScript Project
 - Build: Todo or Quiz App with localStorage & DOM
- Day 14: JS Recap + Git
 - Review JS concepts
 - Git basics: init, commit, push
 - Practice: Push your project to GitHub

Week 3: Advanced JavaScript + React Basics

- Day 15: Advanced Functions
 - Callbacks, Closures, IIFE
 - Practice: Counter using closure

- Day 16: Async JavaScript
- setTimeout, Promises, async/await
- Practice: Fake API call with async/await
- Day 17: Fetch API + JSON
- Fetch data, parse JSON, error handling
- Practice: Fetch and display user data
- Day 18: Intro to React
- What is React, create-react-app
- JSX, components, props
- Practice: Simple component-based UI
- Day 19: React State & Events
- useState, event handling
- Practice: Counter app, toggler
- Day 20: Lists & Forms in React
- Rendering lists, controlled forms
- Practice: Dynamic list (add/delete items)
- Day 21: React Mini Project
- Build: Task tracker or Weather app (static API)

Week 4: React Deep Dive + Backend Intro (Node.js)

- Day 22: useEffect & API Calls
- Side effects, fetching in useEffect
- Practice: Fetch API in React (e.g., joke generator)
- Day 23: React Router
- Routing with react-router-dom
- Practice: Multi-page app
- Day 24: Component Structure & Props Drilling

- Structuring components, passing props
- Practice: Multi-level components (e.g., comment system)
- Day 25: Backend Basics with Node.js
- What is Node.js, npm, modules
- Simple server with http module
- Day 26: Express.js Intro
- Setup, routing, middleware
- Practice: Simple REST API (GET/POST)
- Day 27: Connecting Frontend & Backend
- Fetch from frontend, serve data from backend
- Practice: Contact form storing data in memory
- Day 28: Full Stack Mini Project
- Build: Feedback form with React + Express
- Store data temporarily on backend