🛠 Frontend Developer Roadmap (Job-Oriented – 2025)

◆ 1. Core Foundations

✔ HTML5 → semantic tags, forms, tables, accessibility (ARIA).
✔ CSS3 → Flexbox, Grid, responsive design.
✔ JavaScript (ES6+) → let/const, arrow functions, promises, async/await, DOM.

☞ **Practice:**

Clone a landing page.

Make a responsive portfolio site.

◆ 2. Styling Mastery

✔ **Tailwind CSS** → utility-first styling (most in-demand).
✔ Bootstrap (optional, still used in older projects).
✔ Animations → GSAP, AOS, Framer Motion.

☞ **Practice:**

Build responsive dashboards, pricing cards, animated hero sections.

◆ 3. JavaScript Deep Dive

✔ DOM manipulation.
✔ Event handling.
✔ Fetch API (REST APIs).
✔ JSON.
✔ LocalStorage & SessionStorage.

☞ **Practice:**

Weather app (API).

To-do app with local storage.

◆ 4. Frameworks & Libraries

☞ **Learn ONE deeply (React.js recommended):**

React.js (most jobs).

Next.js (SEO-friendly, full-stack features).

✓ Concepts to master:

Components, props, state.

Hooks (useState, useEffect, useContext).

React Router / Next.js routing.

State management → Context API, Redux Toolkit, Zustand.

☞ **Practice:**

Blog website with React/Next.js.

E-commerce frontend (cart, filters).

◆ 5. TypeScript (Bonus but Highly Recommended)

✓ Static typing makes you job-ready.
✓ Used in **90% of big projects** now.

☞ **Practice:** Convert small React project into TypeScript.

◆ 6. APIs & Backend Connection

✓ REST APIs → fetch data, post data.
✓ GraphQL (optional, but trendy).

☞ **Practice:**

Connect React frontend to an API (GitHub API, Weather API, Movies API).

Build authentication with Firebase/Auth0.

◆ 7. Tools & Workflow

✓ Git & GitHub → version control.
✓ npm & yarn → package management.
✓ Vite / Webpack → project bundling.
✓ Postman → testing APIs.

☞ **Practice:** Contribute to GitHub open-source repos.

◆ 8. Testing (Basic)

✓ Jest (unit tests).
✓ Cypress (end-to-end tests).

☞ Many entry jobs don’t require this, but it’s a **plus point**.

◆ 9. Deployment & Hosting

✓ Vercel (best for React/Next.js).
✓ Netlify.
✓ GitHub Pages.

☞ **Practice:** Deploy your portfolio + projects.

◆ 10. Projects for Portfolio (Must-Have to Get Jobs)

Portfolio Website → with animations & contact form.

E-commerce Store → product listing, cart, checkout.

Blog Platform → CRUD operations with API.

Dashboard → charts, tables, filters.

Chat App (bonus) → real-time using Firebase or Socket.io.

🎯 Final Tips to Get Hired

Build **3–5 strong projects** → upload to GitHub + deploy live.

Write clean **README.md** for each project.

Apply to **internships & junior roles** with a portfolio, not just CV.

Start freelancing small projects (landing pages, portfolio sites).