

2022

Front-end Development Interview Checklist & Roadmap

HTML

- ◆ Elements + Attributes
- ◆ Forms + Input Types
- ◆ Imports + META Tags
- ◆ Lists & Anchor
- ◆ Tables
- ◆ Events
- ◆ Web Storage
- ◆ Images & Multimedia
- ◆ iFrame
- ◆ Canvas
- ◆ Workers
- ◆ Sematic HTML

CSS

- ◆ Selectors (Basic, Complex)
- ◆ Pseudo Selectors
- ◆ Specificity & Inheritance
- ◆ Box Model
- ◆ Units, Display
- ◆ Positioning
- ◆ Layouts: Flex, Grid
- ◆ Shadows
- ◆ Colors + Gradients
- ◆ Transform & Transitions
- ◆ Animations
- ◆ Media Queries
- ◆ CSS Variables
- ◆ BEM Standards

JavaScript

- ◆ Variables & Primitives
- ◆ Scopes & Hoisting
- ◆ Operators & Type Conversions
- ◆ Closures
- ◆ Objects + methods & Regex
- ◆ Arrays + Methods
- ◆ Functions & arrow functions
- ◆ Timeout & Interval
- ◆ Destructing & Spread
- ◆ “this” keyword
- ◆ callbacks + Promise
- ◆ Async await
- ◆ Set & Maps
- ◆ Modules
- ◆ Classes
- ◆ Es6 + Syntaxes
- ◆ Prototypes
- ◆ Iterators

Web Fundamentals

- ◆ HTTP & REST
- ◆ Headers & Methods
- ◆ Polling & Web Socket
- ◆ JSON
- ◆ Cookies & Sessions
- ◆ CSP, XSS, CORS
- ◆ Caching
- ◆ HTTP 2.0

BOM & DOM

- ◆ Elements Selectors
- ◆ DOM Manipulations
- ◆ Iterating Nodelist
- ◆ Attribute Modification
- ◆ Style Modification
- ◆ AJAX & Fetch
- ◆ Event Bubbling & Delegation
- ◆ Event Loop
- ◆ Shadow DOM
- ◆ Browser APIs

React

- ◆ Components & JSX
- ◆ Props & State
- ◆ Hooks & Lifecycle
- ◆ Lists & Keys
- ◆ Forms + Event Handling
- ◆ Refs & Optimizations
- ◆ Component Composition
- ◆ React context API
- ◆ Advanced & Custom hooks
- ◆ HOC + Render props
- ◆ Portals + Error boundaries
- ◆ Internals & Reconciliation

React Ecosystem

- ◆ Redux
- ◆ React Router
- ◆ Styled Components
- ◆ Material React
- ◆ React Hook Form / Formik
- ◆ Apollo Client + GraphQL
- ◆ Axios
- ◆ React Query
- ◆ React i18Next
- ◆ Framer Motion
- ◆ Jest + React Testing Library
- ◆ NextJS

Recommended Tools

Editor : Visual Studio Code
Browser : Chrome & Developer Tools
Language : Typescript
Version Control : Git
Task Runner : npm / yarn
Linter : ESLint
Formatter : Prettier
Bundler : Webpack / ViteJS
Commit Hook : husky

Front-end Concepts

- ◆ Responsive Web Design
- ◆ Progressive Web Apps
- ◆ Web Components
- ◆ SSR, SSG, ISR
- ◆ Design Patterns
- ◆ Reactive Programming
- ◆ Functional Programming
- ◆ Micro Front-end
- ◆ Jam Stack
- ◆ Test Driven Development
- ◆ Search Engine Optimization
- ◆ Web Performance
- ◆ Accessibility
- ◆ Web Security
- ◆ User Experience
- ◆ CI/CO

Good to know

- ◆ SASS & PostCSS
- ◆ Storybook
- ◆ Cypress
- ◆ D3js
- ◆ Docker
- ◆ AWS
- ◆ Firebase
- ◆ Protocol Buffers / gRPC
- ◆ RxJS
- ◆ Jam Stack
- ◆ Test Driven Development
- ◆ Search Engine Optimization
- ◆ Web Performance
- ◆ Accessibility
- ◆ Web Security
- ◆ User Experience
- ◆ CI/CO
- ◆ Web 3.0

Recommended Tools

