Senior Angular Developer Roadmap Checklist

Core Angular Mastery

[ ] Change Detection (Default vs OnPush)

[ ] Lifecycle Hooks (ngOnInit to ngOnDestroy)

[ ] Component Communication (@Input, @Output, Services)

[ ] ViewChild, ContentChild

[ ] Reactive Forms (Advanced usage)

[ ] Template-Driven Forms

[ ] Custom Directives

[ ] Structural Directives (*ngIf, *ngFor, etc.)

[ ] Custom Pipes (Pure & Impure)

[ ] Async Pipe

Architecture & Modules

[ ] Modular Architecture (Shared/Core/Feature modules)

[ ] Lazy Loading & Preloading

[ ] Route Guards & Resolvers

[ ] Dependency Injection Tree

[ ] Injection Tokens

RxJS & State Management

[ ] RxJS Basics (Observables, Subjects)

[ ] Higher-order mapping operators (switchMap, etc.)

[ ] Error Handling (catchError, retry, etc.)

[ ] NgRx or NGXS (Selectors, Actions, Reducers, Effects)

[ ] Akita (Optional, alternative state mgmt.)

Testing & Quality

[ ] Unit Testing (Components, Services, Pipes)

[ ] TestBed configuration

[ ] Mocking HTTP and services

[ ] E2E Testing (Cypress or Playwright)

[ ] Linting with ESLint

[ ] Formatting with Prettier

Performance & Optimization

[ ] OnPush Strategy

[ ] Memoization & Pure Pipes

[ ] TrackBy in *ngFor

[ ] Debouncing Inputs

[ ] Bundle Size Analysis

[ ] Lazy loading assets (images/modules)

Internationalization & Accessibility

[ ] Angular i18n or ngx-translate

[ ] Keyboard Navigation

[ ] ARIA Roles & Labels

Tooling & Ecosystem

[ ] Angular CLI Advanced Usage (env configs, budgets)

[ ] Build Optimizations (AOT, Differential Loading)

[ ] Firebase or AWS Hosting

[ ] CI/CD (GitHub Actions, Bamboo, etc.)

Soft Skills for Lead/Senior Role

[ ] Reviewing PRs and providing constructive feedback

[ ] Mentoring junior devs

[ ] Writing and maintaining documentation

[ ] Communicating with stakeholders

[ ] Designing scalable and maintainable codebases

Bonus: Keep Up to Date

[ ] Follow Angular RFCs & changelogs

[ ] Explore new features in latest Angular versions

[ ] Join Angular Discords/Communities