Stack completo de tecnologias frontend para 2025



Q Buscar tecnologias por nome ou categoria...

	HTML5
	Semantic HTML
	Web Accessibility (A11y)
	SEO Best Practices
	Progressive Enhancement
<u> </u>	CSS3 & Modern CSS
	Flexbox & CSS Grid
	CSS Custom Properties
	Container Queries
	Cascade Layers
	Logical Properties

Modern Syntax (ES2023+)
Async/Await & Promises
Modules (ESM)
Web APIs
TypeScript

Frameworks & Bibliotecas Frontend



B Ecossistema React

React 18+ (Concurrent Features)

Next.js 14+ (App Router)

Remix

State Management (Redux, Zustand, Jotai)

React Query/TanStack Query



Ecossistema Vue

Vue 3 (Composition API)

Nuxt 3

Pinia (State Management)

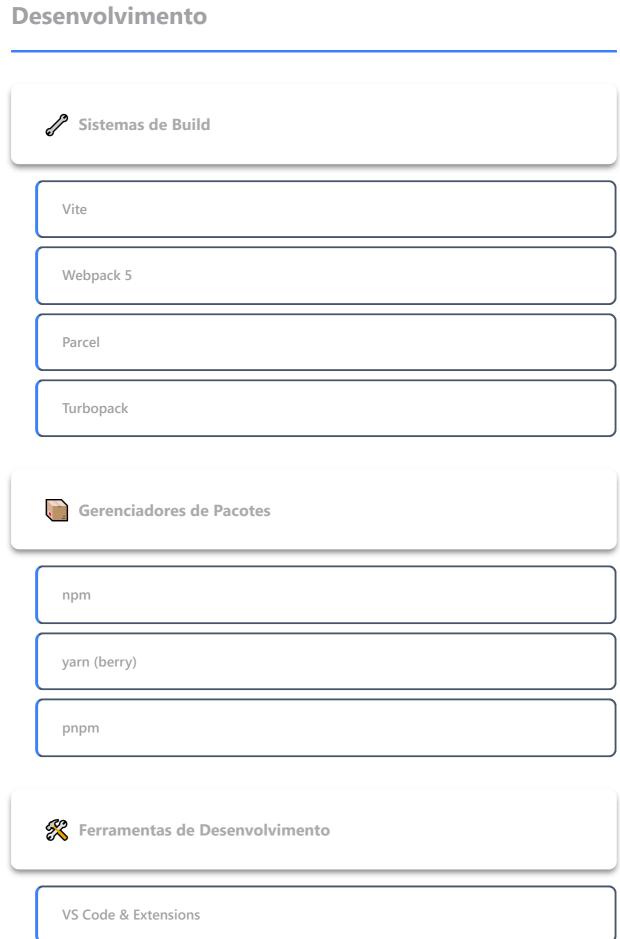
Vue Router



Ecossistema Angular

Angular 17+
Signals
RxJS
NgRx/Service Management
Frameworks Emergentes
Svelte & SvelteKit
Solid.js
Qwik
Astro (Islands Architecture)

Ferramentas de Build & Ambiente de Desenvolvimento



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	Chrome DevTools
	React/Vue DevTools
	ESLint & Prettier
	Husky Git Hooks

Soluções de Estilização



Frameworks CSS

Tailwind CSS

CSS-in-JS (Styled-components, Emotion)

UnoCSS

Panda CSS



Bibliotecas UI & Componentes

Shadcn/ui

Radix UI (Headless)

Material-UI (MUI)

Chakra UI

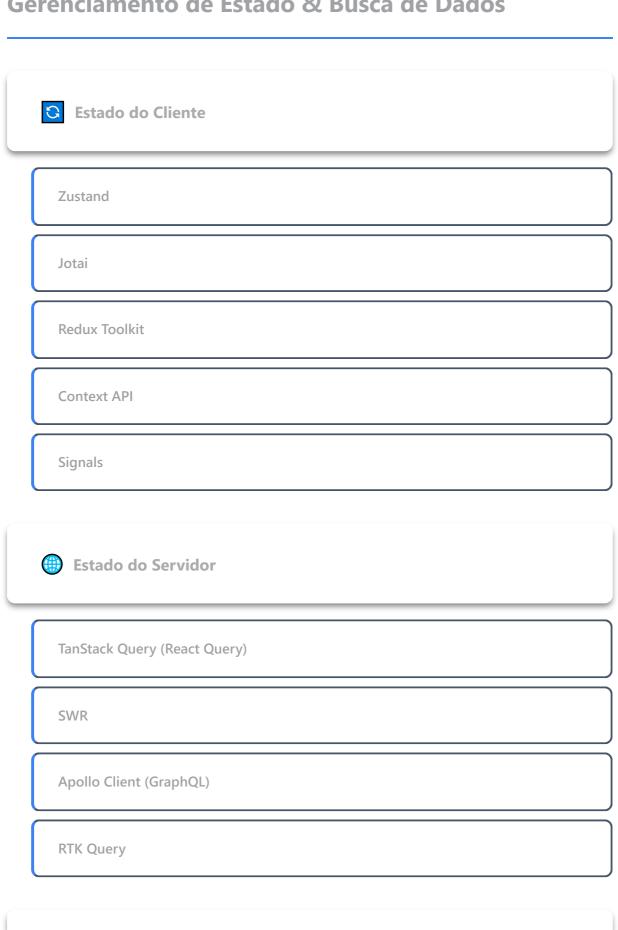
Ant Design



Arquitetura CSS

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	BEM Methodology
	CSS Modules
	Utility-First CSS
	Design Systems

Gerenciamento de Estado & Busca de Dados



Padrões de Fluxo de Dados

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	Soluções para Prop Drilling
	Estado Global vs Local
	State Machines (XState)
	Optimistic Updates

Performance & Otimização



Core Web Vitals

LCP (Largest Contentful Paint)

FID (First Input Delay)

CLS (Cumulative Layout Shift)

INP (Interaction to Next Paint)



Técnicas de Otimização

Code Splitting

Lazy Loading

Otimização de Imagens

Análise de Bundle

Estratégias de Cache



Ferramentas de Performance

Lighthouse CI
WebPageTest
Core Web Vitals Monitoring
React Profiler
Chrome Performance Tab

Estratégias de Testes



Testes Unitários

Vitest

Jest

React Testing Library

Vue Test Utils

Testing Library



Testes de Componentes

Storybook

Chromatic

Visual Regression Testing

Component-Driven Development



Testes E2E

Playwright

Cypress

Puppeteer

Capacidades Web Modernas



PWA (Progressive Web Apps)

Service Workers

Web App Manifest

Offline-First



Web APIs Modernas

Web Components

WebSockets

WebRTC

Intersection Observer



Recursos Avançados

WebAssembly (WASM)

Web Workers

Deployment & DevOps ○ Plataformas de Hospedagem Vercel Netlify **Cloudflare Pages** AWS (S3, CloudFront) **Pipelines CI/CD GitHub Actions** GitLab CI **Jenkins** Monitoramento & Analytics Sentry Datadog

Google Analytics / Plausible

Desenvolvimento Mobile Multiplataforma React Native Flutter Ionic PWA para Mobile Instalação de App **Push Notifications** Integração Nativa Capacitor Cordova

Workflow de Desenvolvimento & Colaboração

