

LEARN **NEXT.JS**: ELEVATE YOUR WEB SKILLS

swipe
to learn



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WHAT IS **NEXT.JS** ?



Next.js is a React framework for building full-stack web apps. It abstracts and configures tooling like bundling and compiling, letting you focus on development. Ideal for both individual developers and teams, it helps create interactive and fast React application

NEXT.JS KEY FEATURES

- **Server-Side-Rendering (SSR):** Server-side rendering in Next.js generates HTML on the server for each request, improving performance and SEO. Use “getServerSideProps” to fetch data and render pages server-side.
- **Static-Side-Generation (SSG):** Static Site Generation in Next.js pre-renders pages at build time, creating static HTML files. This approach improves performance and is ideal for content that doesn’t change frequently. Use getStaticProps to generate static pages.
- **API Routes :** enable you to create server-side logic and APIs directly within your Next.js application. These routes are defined in files located in the pages/api directory. Upon deployment, these API routes are automatically served as serverless functions.



NEXT.JS KEY FEATURES

- **Incremental Static Regeneration (ISR):** allows you to update static pages after your site is built, without a full rebuild. ISR enables on-demand page regeneration, keeping content fresh and scalable to millions of pages.
- **Dynamic routing :** allows you to create routes with dynamic segments, enabling you to generate pages based on dynamic data such as user IDs, product names, or any other variable content. This feature is particularly useful for building pages that share a similar structure but display different content based on the URL.
- **Built in support for CSS and Sass :** Next.js makes it easy to style your application without extra setup, allowing you to import and use CSS and Sass files directly in your components for efficient style management.



NEXT.JS KEY FEATURES

- **Image optimization** : is a feature that automatically optimizes images for better performance and faster load times. This includes resizing, optimizing, and serving images in modern formats.
- **Automatic code splitting** : is a feature that helps optimize your application's performance by splitting your JavaScript code into smaller bundles that are loaded on demand. This improves page load times and overall user experience by only loading the code necessary for each page.
- **API Middleware** : allows you to run code before a request is completed. Then, based on the incoming request, you can modify the response by rewriting, redirecting, modifying the request or response headers, or responding directly.
- **TypeScript Support** .



**NEXT TIME, WE'LL DIVE INTO THE NEXT.JS
PROJECT STRUCTURE AND HOW IT HELPS
ORGANIZE AND MANAGE YOUR
APPLICATION EFFICIENTLY.**

STAY TUNED!



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