**The Future of the Web: From Cloud to Edge using Server-Side Components, React 18, and Next.js 13".**

The Future of the Web: From Cloud to Edge using Server-Side Components, React 18, and Next.js 13 is an article that discusses the trend of moving computing power from the cloud to the edge of networks, in which devices at the edge (e.g. smart speakers, smartphones) can perform some processing tasks locally rather than relying on the cloud. This trend is driven by the increasing demand for low-latency and high-performance applications, as well as the need for offline capabilities and data privacy. The article also mentions the use of server-side components, which are pieces of code that run on the server rather than the client, and the use of React 18 and Next.js 13, which are JavaScript libraries and frameworks for building web applications.

**What Is Edge Computing?**

Edge computing is a distributed computing paradigm that brings computation and data storage closer to the location where it is needed, to improve response times and save bandwidth. In edge computing, devices at the edge of a network, such as sensors, actuators, and other types of IoT devices, perform some processing tasks locally rather than sending all the data to the cloud for processing. This can be useful in situations where real-time processing is required, or where the latency of sending data to the cloud and back would be too high. Edge computing can also be used to reduce the load on the cloud by offloading some processing tasks to the edge devices, and to improve the reliability and availability of applications by enabling them to continue functioning even when there is no connection to the cloud.

**search engine optimization**

Search engine optimization (SEO) is the process of improving the ranking of a website on search engines such as Google. When people search for specific keywords or phrases, search engines try to find the most relevant and high-quality websites to show in the search results. SEO involves making changes to your website and its content to make it more attractive to search engines and to help them understand what your website is about. The goal of SEO is to improve the visibility of your website in the search results, which can lead to more traffic and more business. Some common techniques used in SEO include adding keywords to website content, optimizing the structure and tags of a website, and building high-quality backlinks from other websites.

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**Introduction**

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**Beginning of the Cloud**

**React and Edge computing**

**Nextjs and turbopack webpack**

* Nextjs building better compiler and render infrastructure