



NodeJS: A Perfect Fit For Real-Time Application Development

Technology is evolving at a tremendous pace today. It has made human lives simpler over time because it is constantly evolving. Given how fast-paced human life is, the need for real-time applications is only increasing. Real-time applications have become the next in-thing!

In this article, we will discuss some more factors which prove that NodeJS is indeed the best medium for real-time applications development.



What is a Real-Time Application?

A real-time application refers to software that functions within a time frame that the user senses as current or immediate.

Why Use NodeJS for Real-Time App Development?

NodeJS extends its support to developers by being their first choice for real-time app development. Thanks to its set of features that make it exceptional and the obvious choice. Most importantly, it supports two major frameworks that pave the way for seamless and hassle-free real-time app development. A professional [NodeJS development company](#) prefers using this technology for building real-time apps for their clients.

Benefits of Using NodeJS for Real-Time App Development

Let us explore some of the top benefits of NodeJS that make it the best choice for real-time application development. [NodeJS development services](#) are widely preferred for the following features that they offer:

1. Easy Shareability

NodeJS supports microservice client and server architecture. This architecture enables seamless code sharing across multiple projects, thus saving time and increasing productivity and efficiency.

2. Data Streaming

NodeJS can handle I/O processing, allowing users to better transcode media files in real-time.

3. Excellent Data Syncing

NodeJS creates a passage between the client and server for seamless data transmission. Developers can effectively use the I/O functionality that NodeJS supports.

4. Fast-Paced Methodology

NodeJS has the ability to compile javascript into your own native machine code, thus making it run seemingly fast. It is loaded with V8 engines that Google powers. It can run and also speed up any given framework. [Hire NodeJS Developers](#) from enterprises so that you can build up a flexible network application.

Netflix, PayPal, Uber, LinkedIn, NASA, Google, and Twitter are some big players that use NodeJS. They are proven examples of how efficient NodeJS is when it comes to handling multiple requests in real-time.



What Real-Time Features Does NodeJS Bring to the Table?

Real-time applications give users an excellent UX, making them feel that the experiences are happening in real-time. NodeJS facilitates some of the best real-time experiences that real-time applications give their customers. Some instances of these features include:

1. VoIP or Voice over Internet Protocol

2. Instant chats and messages
3. eCommerce Transactions
4. Video calling
5. Multi-mode and multi-player gaming.
6. Community Storage Solutions
7. Node Package Manager

And more.

Enterprises that offer [NodeJS web development services](#) provide customized solutions for real-time applications. Several software companies hire developers from these agencies and utilize their expertise for their requirements.

Role Of NodeJS in Real-Time Applications

As mentioned, speed and scalability are two essentials for any real-time application. And given the fact that NodeJS is independent, event-driven, and offers non-blockage of I/O functionalities, it is the best choice for real-time app development. Social media giants, stock exchange software forums, and several other biggies benefit from NodeJS.

Suitability of NodeJS for Real-Time App Development

NodeJS works on two relevant frameworks when it comes to real-time app development. These two frameworks are Express.JS and Feather. JS.

1. Express.JS

Express.JS offers excellent organization and routing of real-time applications. It can provide several templating solutions and effortlessly deal with them. Express.JS adds to the efficiency of functionalities that NodeJS provides. It also offers better code organization.

2. Feather.JS

Feather.JS offers an excellent Socket.IO integration that acts as a vast library. It creates a two-way real-time passage between the client and the server. The client has a client-side library, and NodeJS makes way for a server-side library. Socket.IO also offers instant messaging,

document sharing, and collaboration over real-time app development.

Scenarios where **NodeJS Real-time Applications** are used

Real-Time Messaging

Live Streams

Real-Time Notifications

IoT Devices

Real-Time Tracking



Conclusion

[NodeJS app development](#) offers excellent features and abundant support for real-time applications. It benefits developers because it provides scalability, code sharing, and code reusability and supports two major frameworks – FeatherJS and ExpressJS.

Convinced to create your next real-time app real soon?

Hire NodeJS Developers from Narola Infotech and kick start building your data-intensive, scalable, full-fledged, and enterprise-grade application with real-time features.

Read in detail: [Why is NodeJS an Ideal Fit For Real-Time Application Development?](#)

Want to develop Fast, Effective, and Scalable Applications?
Hire NodeJS Developer

Enquire Now

