

Introduction to MERN Stack

→ The mern stack is a popular full-stack javascript framework used for building dynamic web applications. It comprises 4 main technologies: MongoDB, Express.js, React.js, Node.js

MongoDB → is a NoSQL database that stores data in a flexible JSON-like format called BSON (Binary JSON). It is designed for scalability allowing for easy storage & retrieval of data across multiple servers.

Usage. → It serves as the database layer of the MERN stack, where all the application data is stored & managed.

Express.js → lightweight & flexible Node.js web application framework that provides a robust set of features for building single & multi-page web application.

Usage → function as the backend web application framework in mern stack. It handles the routing, middleware & server-side logic enabling smooth interaction b/w the frontend & the database.

React.js → JavaScript library for building user interface, particularly single-page application where you need a fast, responsive user experience.

Usage → used as a frontend framework in MERN stack. It allows developers to create reusable UI components manages application state, & build dynamic & interactive user interaction.

Node.js → Zt is a javascript runtime built on chrome's V8 javascript engine. Zt allow developers to run Javascript code on the server side, outside of a web browser.

Usage → Node.js acts as the server-side environment in the MERN stack. Zt executes the backend logic handles requests & responses. & facilitates communication between the server & the client.