We are a MERN stack development company in India. We have all the expertise required for MERN development and assure you high quality delivery. We will love to help you. We have been into web development since 1999.

What is MERN Stack

The MERN stack is a JavaScript stack that's designed to make the web development process smoother. MERN includes four open-source components: MongoDB, Express, React, and Node.js. These components provide an end-to-end framework for modern web development.

MERN Stack advantages

1. The biggest advantage of MERN stack development is that **every line of code is written in JavaScript**. This is a programming language that's used everywhere, both for client-side code and server-side code.
2. The whole system, including the front-end, the back-end and the database, uses the REST API, which acts as a '**middleware**' and is **reusable** for any other application: mobile software etc., very easily.
3. Node.js is **very fast simply because it is an asynchronous** language. Its performance is impressive compared to other languages.
4. The MERN stack uses the famous **React.js**, which is unparalleled for front end development. React.js makes things easier for **single-page application (SPA)**. This is why Facebook, Dropbox, Airbnb, Altassian, Tesla, etc uses React.js.
5. The same react technology can be used to develop **native mobile apps**. Both Android and iOS native apps can be built with the same codebase using React Native library. You do need a separate team but the same team, even developer can do it.

Platform for MERN Stack Development

1. **MongoDB** - for storing data
2. **Express** - for Database coding
3. **ReactJS** - for building web front end interfaces
4. **Node.js** - as backend platform
5. **React Native (optional)** - For mobile app development

Steps involved to build a large web application

If you are a layman in software development, here are the steps for you to build a large application for your company. These are best when implemented on an **agile** basis. It still may contain some technical jargon, we will be happy to clarify it if requested ...

1. **Understand the basic concept and have a high level requirement** document that will describe the business objective, overall concept and capabilities. List out all the possible features under each capabilities.
2. **Identify the 20% main features** that basically constitute 80% product values. Put them in the MVP and pick the 1st feature for development.
3. **Break down the feature into user stories**. In the proposed software who will do what, when, where and why. You need a **Product Owner** (it is an agile software development term) to efficiently do above jobs .
4. **Plan to convert each user story into software components** along with requirements and specifications associated with every future component. Components are user Interfaces and code objects, database objects etc - bricks and mortars of the software application. This job is of a **System Analyst cum Designer**.
5. **Create graphical representation** of the user interface layouts and screen templates. You need a **Graphics Designer** who can do it efficiently.
6. **Convert all the functionalities, quality benchmarks, environment setup activities, miscellaneous works into doable tasks** in a manner such that every one in the team (including you people) transparently see the progress, spent hours, estimates, issues etc. This is best done by putting all requirements, defects, test cases, general tasks etc on an integrated project management software. The person who manages it is called **Scrum Master**.
7. **Convert the proposed components along with requirements into actual software components**. Actual codes, files and database tables that can run on a software platform to provide expected results. This is ideally done by **Developer**. It's often done by two developers. Front end developer (**ReactJS, React Native Developer**) for creating user interfaces and **PHP/Node.js API** developer to fetch data from the server.
8. **Test (and fix) the React Native app / feature** formally using a test management tool to verify and validate the functional and nonfunctional TDD points are implemented. It requires further testing whether the idea itself requires changes or not. It may also require testing against load and security. Finally testing and fixing to make sure that everything is usable by the final user. This job is of a **Test Analyst, Tester and Product Owner**.
9. **Test the feature by the product owner and operation team** (customer team). Business facing testing to ensure all the business requirements meet or not. Exploratory testing to see if there are rooms for improvement. Usability testing by the actual system user and make sure they feel comfortable.
10. **Make the feature live** as per live process checkpoint. Everyone connected to the development team gets involved in the live process.

The entire cycle is done on an **agile process**. That means full development is transparent to the DEV team and Operation team. Right person does his job when required. An efficient feedback loop is created. If a defect /anomaly is identified at any step, it is sent back to the previous step and gets corrected. Using this **LEAN / DevOps** powered Agile development process we can build a system which will provide maximum value to your users without delivering clutter.

How can we help you in building a MERN Stack application?

It may not be easy (if not impossible) for you to hire so many experts. Just hiring a developer will not solve your problem either. We can help you ...

1. We have been into **web development since 1999**. We have a fair amount of organisational knowledge base and codebase from which you can benefit.
2. We will provide you with an experienced **developer cum analyst** who can play the roles of a product assistant, system analyst, system designer as well as of the developer with some help from inhouse experts.
3. We can provide you with a full stack developer with **competence in ReactJs and React Native** for building interactive web frontend with Drupal back end and native mobile apps for both android and iOS.
4. **A Scrum master** will be assigned along with the developer to monitor the project at no extra cost or at a marginal extra cost. He will be available to you for any expert suggestion.
5. When a situation demands expert help, **we will line up the experts on an SOS basis**. We have functional experts in system designing, business analysis, server administration, web designing etc. At just marginal additional cost.
6. A programmer can never bring the perfection of a designer to design point. We will give **you access to the designer** just paying the marginal cost.
7. We have our own **integrated project management cum product development platform** that takes care of the project life cycle as well as product development life cycle. You can use it at no extra cost. It has a built in requirement management system, test management system, bug reporting, front desk in addition to the agile project management system.
8. We can keep the **documentation** of the system (if you request) for you such that it never becomes an issue in maintenance in future when developer changes.
9. If your proposed system is performance or security sensitive you **must do formal load and security testing** to avoid unpleasant surprise in future.
10. We can manage your **DEV and Live server at AWS too**. Basic setup & day to day administration including backup.

Hiring Models available for MERN Stack Development

1. **Full dedicated Hiring** - You can hire a developer on a dedicated basis. He will work only on your project. Additionally you can avail the shared resources (say designer) on an SOS basis.
2. **Part Dedicated Hiring** - You can hire a dedicated developer partly. Minimum booking for a month is 60 hours. We will guarantee the availability of the same developer however will be billed on an hourly basis. Good for low involvement support projects.
3. **Project Based Hiring** - You can hire us for your new project on project based. We will provide quotes conditionally on the basis of explored requirements.
4. **Virtual Dedicated Hiring** - Same as dedicated but we guarantee 160 hours of work. One main developer with shared resources. Good when you have a low budget but want help from all experts when required.

Why Hire Us for MERN Stack Development?

- ## Web Development since 1999

  We are in web development since 1999. In 2004 we developed a PHP MVC framework. Worked on almost all popular web technologies. We implemented many innovative ideas to maximize the client's revenue.

- ## Reliable - In-house with no Newbies

  We have a dedicated in-house team of 30+ developers. 80% of them are 6+ years experience. 6 of them are 14+ years of experience. Only experienced developers and experts will work on your projects.

- ## Complete Solution - Concept to Cash

  We have six 15+ years of experienced experts who will help to add value at different points of the software development life cycle. Execution will be done by experienced developers and technology experts.

- ## Built-in-Quality through Lean Practices

  You can't turn a MI phone into an iPhone, once it is built. Because adding qualities as in iPhone requires to be built-in. We have quality checks on every step of the value stream starting right from the code editor.

- ## Expertise in Latest Technologies

  We are currently focused on the latest tools, technologies, programming languages, frameworks and microservices architectures for developing web, cloud, desktop and mobile apps.

- ## Use of Worldclass Agile Tools

  Only programming technologies do not help. We set up our development pipelines with DevOps tools like Jira, GIT, Dockers, Kubernetes and automated testing tools to deliver world-class quality in minimum time.

- ## Super Service at India Price

  With the help of experienced and trained resources, 21 years of software development experience, hard work and professional honesty, we provide super service. And still at India

Price, as we manage everything from India.

- ## History of Serving in the Long Term

  We provide future support. Even if you come back with a small change. **Clients stay with for years**. And in fact employees too. The main reason behind this is we really care about our clients and employees.

What next for MERN Stack Development Hiring?

Please contact us. We will discuss by email or schedule a meeting on skype whichever is convenient to you. After discussion we will suggest the best possible deal such that you get maximum value at minimum cost.