



The Four Components of the MEAN Stack Framework Streamline and Integrate the Development Environment

When a business is establishing its technology toolkit for enterprise software services, it is important to include the right cutting-edge technologies, frameworks and tools to ensure that solutions are effectively and quickly developed, upgraded and maintained.

With the right approach and services, a business can transform its vision into reality and ensure that software products or software applications will succeed, whether the project requires native development or cross-platform functionality. One of the most powerful tools in the technology toolkit is MEAN Stack.

“MEAN Stack architecture design and MEAN Stack application development brings together the four components of the environment to support server and client-side environment.”

The MEAN Stack framework includes **Mongo**, **Express JS**, **Angular** and **Node**, and is suitable for complex projects that require scalable architecture. MEAN Stack development services leverage the power of Angular JS and MEAN Stack to develop scalable, high-performance applications for desktops, tablets, smart phones and smart watches.

Here is the breakdown of the four prongs of the MEAN Stack:

Mongo DB: A NoSQL, scalable, flexible database.

MongoDB is a distributed, document based database suitable for most general purposes. It is designed for modern application development and for the Cloud. It allows the business to filter and sort by fields, even those that are nested within a document. Mongo DB provides support for aggregation and geo-based, text and graph searches.

Express JS: Enables large scale web and mobile applications using micro services architecture.

Express is a flexible Node.JS web application framework with support for web applications and mobile applications. It is open source and easily accessible. It has a library of numerous plugins and acts as the back-end of MEAN Stack, working in concert with the Mongo DB and a JavaScript front-end library or framework.

Angular JS: A rich, popular framework with powerful tools for cross-platform application development.

The Angular JS open-source front-end web framework leverages JavaScript development and is used as the front-end for the [MEAN](#) stack or other programming languages and frameworks. It simplifies development and testing using client-side Model View Controller (MVC) and Model View ViewModel (MVVM) architectures.

Node JS: Streamlines server-side scripting for fast, scalable processing.

Node.js is open-source. This cross-platform, back-end runtime environment executes JavaScript outside a web browser environment, providing the opportunity to run JavaScript everywhere. Node.js is designed to build scalable network applications.

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MEAN Stack architecture design and MEAN Stack application development brings together the four components of the environment to support server and client-side environment. The components of MEAN Stack include a web application presentation layer.

Find out how a [MEAN Stack Development](#) partner can help your business achieve its goals.

Read our White Paper on the [Cost vs. Value of Engaging an Offshore Software Developer](#) for MEAN Stack, Angular JS or Hybrid Mobile Application development or other technology needs.