

Topics for Presentation

1. MEAN Stack

- **Technologies:** MongoDB, Express.js, Angular, Node.js
- **Type:** Full-stack (JavaScript)
- **Description:** A popular JavaScript stack for building scalable web applications. MEAN is suitable for developing single-page applications (SPA).

2. MERN Stack

- **Technologies:** MongoDB, Express.js, React.js, Node.js
- **Type:** Full-stack (JavaScript)
- **Description:** MERN uses React.js instead of Angular for the front-end, offering more flexibility and is favored for its efficiency in building dynamic user interfaces.

3. LAMP Stack

- **Technologies:** Linux, Apache, MySQL, PHP
- **Type:** Full-stack
- **Description:** A traditional and widely-used stack, LAMP is known for its stability and open-source components. It's excellent for server-side programming.

4. LEMP Stack

- **Technologies:** Linux, Nginx (pronounced Engine-X), MySQL, PHP
- **Type:** Full-stack

- **Description:** Similar to LAMP but uses Nginx instead of Apache for higher performance and better handling of concurrent requests.

5. Django Stack

- **Technologies:** Python, Django, PostgreSQL
- **Type:** Full-stack (Python)
- **Description:** Django is a high-level Python web framework that encourages rapid development. It's excellent for building secure, scalable, and maintainable applications.

6. Ruby on Rails (RoR)

- **Technologies:** Ruby, Rails, PostgreSQL/MySQL
- **Type:** Full-stack (Ruby)
- **Description:** Ruby on Rails is known for its developer-friendly syntax and the convention-over-configuration principle, allowing fast prototyping.

7. .NET Stack

- **Technologies:** ASP.NET, C#, SQL Server, IIS
- **Type:** Full-stack (Microsoft)
- **Description:** ASP.NET is part of the Microsoft .NET framework, suitable for building enterprise-level web applications with great scalability.

8. Flutter for Web

- **Technologies:** Dart, Flutter, Firebase
- **Type:** Frontend Framework (with some backend services)
- **Description:** Flutter allows for cross-platform development, enabling developers to build mobile and web applications from a single codebase using Dart.

9. JAMstack

- **Technologies:** JavaScript, APIs, Markup

- **Type:** Frontend (Decoupled architecture)
- **Description:** JAMstack focuses on fast and secure websites by pre-rendering HTML files and using JavaScript for dynamic functionality, typically supported by headless CMSs.

10. Serverless Stack

- **Technologies:** AWS Lambda, API Gateway, DynamoDB, S3
- **Type:** Backend/Cloud-based
- **Description:** Serverless architecture allows developers to build and run applications without managing servers, relying on cloud services for scalability and reducing operational costs.