

Full Stack Web Development

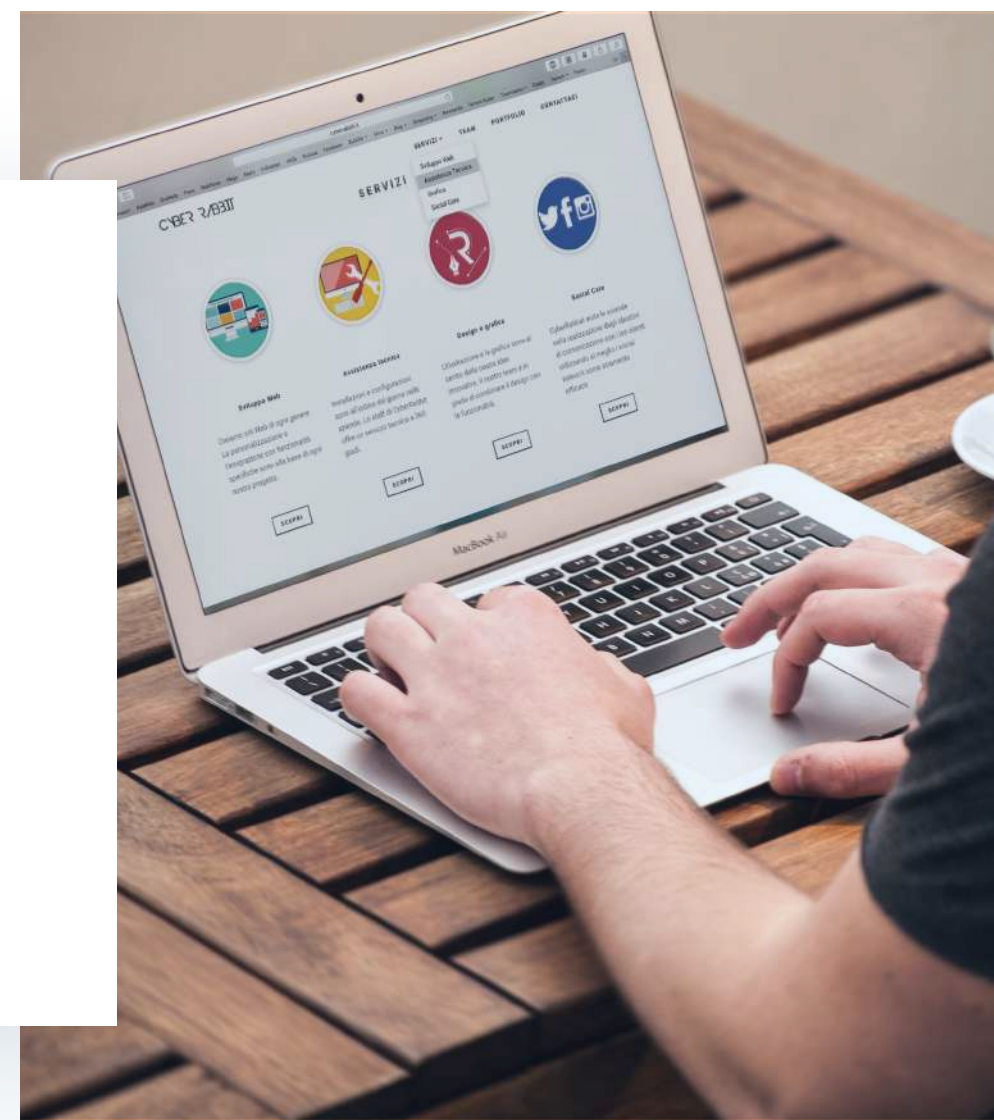
Full Stack Developers design apps and websites. They work on various facets of development, from front-end to back-end, including debugging and testing. As part of this, front-end developers are most sought after for their expertise on multiple technologies towards seamless product creation. The course on the full stack will give you an opportunity to learn essential layers of Presentation, Business Logic, and Database function. The curriculum will offer you a chance to master client as well as the server side of web development. It focuses on the practice and theory of developing Full Stack Applications (MEAN) using HTML5, CSS3, JavaScript, Angular JS, Node.js, Mongo DB, JSON Service Layer.



Course Objective

Upon successful completion of the course you will:

- Understand the practical/theoretical foundations and develop Front-end Applications/Full Stack Applications for the required domain.
- Develop Front end/Full stack Applications using HTML5, CSS3, JavaScript, Angular JS, Mongo DB, Node.js and JSON service layer.



Course Content

HTML5

- Introduction
- Prerequisites
- Execute HTML5 Online
- Overview
- Syntax
- Attributes
- Events
- Web Forms 2.0
- Web Storage
- Web SQL
- Web Socket
- Audio & Video
- Geolocation
- Microdata
- Drag & Drop
- Web Workers
- Indexed DB
- Web Messaging
- Web CORS
- Web RTC
- Web Worker
- Web Slide Desk
- HTML5 Tools
- Tags Reference
- Deprecated Tags
- New Tags



JavaScript

(Introduction and Understanding of JavaScript)

- Introduction
- Syntax
- Placement
- Variables
- Operators
- Looping and Decision Making
- Functions
- Events
- Cookies
- Page Redirect
- Dialog boxes
- Page Printing
- Objects and HTML DOM
- Error Handling
- Validations
- Animation
- Multimedia
- Debugging
- Image Map
- Browsers



Angular 4/5

- Introduction to Angular. Angular
- Template, Interpolation, Directives
- Advanced Component Techniques
- Custom Services [Dep. Injection]
- Observables
- Routing and Navigation
- Template Driven and Reactive Form
- Working with Data
- Testing



CSS3

Mongo DB

- Introduction
- Prerequisites
- Overview
- Advantages
- Environment
- Data Modeling
- Create a database
- Drop database
- Create Collection
- Drop Collection
- Data Types
- Insert Document
- Query Document
- Update Document
- Delete Document
- Projection
- Limiting Records
- Sorting Records
- Indexing



- Aggregation
- Replication
- Create backup
- Relationships
- Database References
- Covered Queries
- Analyzing Queries
- Atomic Operations
- Advanced Indexing
- Indexing Limitations
- Object Id
- Map Reduce
- Text Search
- Regular Expression
- Working with RockMongo
- Grid FS
- Capped Collections
- Auto Increment Sequence

Node.js

- Introduction
- Node.js overview
- Environment Setup
- First application
- REPL Terminal
- Package Manager (NPM)
- Callbacks Concept
- Event Loop
- Event Emitter
- Buffers
- Streams
- File Systems
- Global Objects
- Utility Modules
- Web Module
- Express Framework
- RESTful API
- Scaling Application
- Packaging



Why LearnAtRISE

- LearnAtRISE is a skill enhancing initiative powered by Rishabh Software (RSPL), an IT Company with over **20 years of experience**, specializing in software development, engineering, recruitment process, and training services
- Full-time training Program**, Up-to-Date, and thorough course content
- Wholistic **training and development** (Soft skills training included)
- State-of-the-art** infrastructure
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Hands-on Practical Experience



Guidance from Industry
Experts



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assistance