

JavaScript

- **What is Full-Stack Web Development? What is JavaScript?**
- **Language Basics**
 - Data types
 - Operators
 - Statements
- **Variables, Scope and Memory**
 - Primitive and Reference Values
 - Execution Context and Scope
- **Arrays and Objects**
- **Functions**
 - Functions Definition
 - Anonymous Functions
 - Context
 - Variable Arguments
 - Function overloading
- **Understand JavaScript closures**
- **Functions Prototypes**
- **Objects And Prototypes**
- **Object Oriented JavaScript (OOP in JavaScript)**
- **DOM (Document Object Model) and BOM (Browser Object Model)**
- **Babel (basic)**

EcmaScript and TypeScript Features

- **EcmaScript 6**
 - Transpilers
 - let
 - Constants
 - Creating objects
 - Destructuring assignment
 - Default parameters and values
 - Rest operator
 - Classes
 - Promises
 - Arrow functions
 - Sets and Maps
- **TypeScript**
 - Getting Started With TypeScript

- Working With tsc
- Basic Types
- Variable Declarations
- TypeScript Classes
 - Properties
 - Methods
 - Constructors
 - Inheritance
- Functions
- Generics
- Enums
- Interfaces
- Iterators and Generators
- Modules
- Namespaces
- Type Inference
- Type Compatibility
- Decorators
 - Property Decorators
 - Class Decorators
 - Parameter Decorators

Angular

- **The Basics of Angular**
 - How Web Pages Get in Your Browser
 - What Is a Browser
 - What Is Angular
 - What is webpack, task runner
- **Modules**
- **Scopes**
- **Components**
- **Directives**
 - Structural Directives
 - Ngif
 - NgSwitch
 - NgFor
 - Attribute Directives
 - NgStyle
 - NgClass
- **Events**
 - User Input Events

- Lifecycle Events
- **Forms**
 - Template-Driven Forms
 - Reactive/Model-Driven Forms
- **Routing**
- **Lazy loading in routing**
- **Services**
- **Dependency Injection**
- **sHttp Service**

Additional:

- Basic knowledge of view encapsulation, host, ng-deep