



Angular Certification Program



“Master Interactive Web Design”



UPSKILLMENT



INTRODUCTION

The Angular Certification Program is designed to provide a comprehensive understanding of Angular, a robust framework for building dynamic, high-performance, and scalable single-page web applications. This program offers hands-on learning and equips you with the skills needed to become an expert Angular developer. This program focuses on essential Angular concepts such as components, modules, data binding, routing, directives, and dependency injection. Upon completion, you will be proficient in creating dynamic, responsive, and user-friendly web applications.

Duration: 3-4 Weeks

Mode: Live (Weekday & Weekend Batches)

Modules: 10

Total Hours: 22

Skills Covered: 8

Module 1: Introduction to Angular and TypeScript

- Overview of Angular: Understand Angular's framework and its ecosystem.
- Setting Up the Environment: Install Angular CLI and create your first Angular app.
- TypeScript Basics: Learn TypeScript essentials for building Angular applications.

Module 2: Components, Modules & Lifecycle

- Components & Modules: Learn to structure your application with components and modules.
- Component Lifecycle: Master Angular component lifecycle hooks for better app management.
- Binding Data: Understand how to use property and event binding in components.

Module 3: Routing, Navigation & Dependency Injection



- Routing: Learn how to implement client-side routing in Angular.
- Navigation: Manage route parameters and dynamic navigation for single-page apps.
- Dependency Injection: Use Angular's DI system to manage service dependencies and simplify your code.

Module 4: Directives, Pipes & Forms

- Directives: Explore built-in directives and learn to create custom ones for DOM manipulation.
- Pipes: Understand built-in pipes for transforming data and create custom pipes for your applications.
- Forms: Learn both template-driven and reactive forms for handling user input and validation.

Module 5: Services, HTTP Communication & Observables



- Creating Services: Learn how to create reusable services for business logic and state management.
- HTTP Client: Understand how to handle API requests and manage asynchronous data.
- Observables & RxJS: Learn reactive programming concepts with Observables and RxJS operators for efficient data handling.

Module 6: Advanced Angular Concepts & Deployment

- Optimizing Performance: Improve performance by lazy loading and using Angular's change detection strategies.
- Deployment & Best Practices: Learn deployment techniques for Angular applications on platforms like Firebase and AWS, and follow industry best practices.

Angular Training Features :

- Flexible Learning and Rescheduling Options
- Tailor your learning schedule with weekday or weekend classes and morning or evening sessions to fit your commitments. Missed a session? Easily reschedule and join a batch that matches your availability.
- Personalized Learning Support
- Benefit from a dedicated Learning Manager who provides personalized guidance, resolves your queries, and supports you throughout the course to ensure a seamless learning experience.
- Practical and Job-Focused Training
- Gain hands-on experience through industry-relevant projects and real-world simulations. Enhance your employability with dedicated job assistance, including resume building, interview preparation, and placement support.
- Industry-Recognized Certification
- Earn a prestigious certification endorsed by top organizations, validating your expertise and giving you a competitive edge in the global job market.

Angular Training Outlook

- Demand for Angular Developers: Angular has seen a steady rise in demand, with job listings for Angular developers growing by 13% year-on-year.
- High Salary Potential: The average salary for an Angular developer ranges from \$80,000 to \$130,000 per year, depending on location and experience.
- Global Adoption: Angular is one of the top frameworks used by major companies like Google, Microsoft, and IBM.

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