Microsoft Stack Entry-Level Roadmap

This roadmap helps you learn Microsoft technologies for an entry-level job. It is divided into four phases with timelines and suggested learning paths.

Phase 1: Core Foundations (4–6 weeks)

- C#: Variables, OOP, LINQ, async/await
- .NET Framework/Core basics
- Visual Studio: Solution structure, debugging, NuGet, Git
- SQL Server: CRUD operations, joins, stored procedures

Phase 2: Web Development with ASP.NET (6–8 weeks)

- ASP.NET MVC: Controllers, Views, Routing, Model binding
- Entity Framework: Code-First, Migrations
- JavaScript (ES6+), AJAX, jQuery
- SSRS Reporting basics

Phase 3: Advanced Microsoft Stack (4–6 weeks)

- Windows/Desktop development: WPF/WinForms basics
- SSIS: Data import/export, ETL
- Solution design documentation
- Debugging & Performance tuning

Phase 4: Modern Front-End with Angular (Optional, 4–6 weeks)

- Angular: TypeScript, components, services, routing
- Integration with ASP.NET Web API
- Build a full-stack app with Angular frontend and .NET backend

Ongoing Habits

- Version Control: Use Git & GitHub for every project
- Soft Skills: Communication, writing technical docs
- Stay Updated: Follow .NET blogs, Microsoft Learn weekly modules

Fast-Track Tips

- Daily Schedule: 2–3 hrs weekdays, 4–5 hrs weekends to get job-ready in ~5–6 months
- Combine Learning & Building: After each topic, create a micro-project
- Portfolio & Resume: Showcase at least 2–3 projects (MVC, APIs + Angular, SSRS/SSIS)
- Certifications (Optional): Microsoft AZ-204 or .NET Developer badge