

AspNetInternBootCamp - 3 Month Learning Plan

Month 1 - Fundamentals

- C# Basics (variables, OOP, interfaces, collections)
- .NET Core Intro - Program.cs, middleware, routing
- Razor Pages / Minimal API (optional)
- Git + GitHub: clone, commit, push, pull, PRs
- Simple TODO app using Razor or Console
- HTML/CSS/Bootstrap basics
- Daily Git pushes using feature branches

Month 2 - Backend + API + Database

- EF Core: DbContext, Migrations, LINQ
- Full CRUD API (Controllers + DTOs + AutoMapper)
- Swagger for API documentation
- Dependency Injection and Interfaces
- JWT Authentication and Authorization
- Connect with basic frontend (Postman or JS if desired)
- Build: Employee or Product Management API

Month 3 - Project + Architecture + DevOps

- SOLID principles in real code
- Logging with Serilog
- Error handling middleware
- Unit Testing: xUnit + Moq
- CI/CD: GitHub Actions or Azure DevOps
- Final Capstone: Deployable API project
- Demo and Documentation writing

Daily Routine (Mon-Fri)

- 9:00 - 9:30: Daily stand-up or mentor sync
- 9:30 - 11:00: Guided learning / courses / pair programming
- 11:00 - 12:30: Build hands-on features / tasks
- 1:30 - 3:00: Task ownership / team code reviews
- 3:00 - 4:30: Daily recap / debugging practice / note-taking
- 4:30 - 5:00: Git push, commit summary, feedback

AspNetInternBootCamp - 3 Month Learning Plan

Tools & Practices

- Git, GitHub, Visual Studio/VS Code
- EF Core, Swagger, AutoMapper
- REST API architecture
- Trello/Notion task tracking
- PDF journaling and Weekly Demos
- Git push habit: commit and PR daily