.NET Full-Stack Engineering Academy: ASP.NET Core, Angular & Azure

A 288-hour academy for AI-fluent full-stack developers on .NET 10, ASP.NET Core, Angular and Azure, ending in a scored capstone.

DURATION	FORMAT	LEVEL	LABS
288 hours	Onsite, online or hybrid	Intermediate	Cloud sandbox included

About this programme

An immersive academy for graduate and early-career cohorts. Engineers write high-performance C#, design data access with EF Core and Dapper, and build resilient ASP.NET Core services with Angular front ends. They then containerise microservices, add messaging and real-time features, and run them on Kubernetes and Azure with observability and SRE practice. GitHub Copilot and agentic AI are used throughout, with every output validated and owned by a person. Weekly assessments and a rubric-scored capstone show L&D who is ready for project work.

Who it is for: Graduate and early-career engineering cohorts, and developers moving onto .NET full-stack teams

What your team will be able to do

- Write high-performance C# 14 with LINQ, async code and safe concurrency
- Design data access with EF Core, Dapper and ADO.NET, and choose the right one for each job
- Build resilient ASP.NET Core APIs and real-time features with SignalR
- Containerise microservices and run them on Kubernetes with messaging and observability
- Deploy and secure services on Azure with Entra ID, Key Vault, Container Apps and Azure Monitor
- Use GitHub Copilot and agents responsibly, logging and verifying every AI suggestion

Before you start

- Basic programming in any language
- School-level problem solving; no prior C# needed

Course outline

We send the module-by-module outline with your proposal, adapted to your team's tools and goals.

Assessment and certification

How learning is checked

- A short knowledge check on day one and again at the end, so you can see each person's progress
- Graded hands-on labs in every module, reviewed by the trainer
- A final exercise that applies the programme to a problem like your team's own

Certificate and exams

- Participants who complete the programme receive a Cognitive Networks AI certificate of completion.

Formats and cohort size

- Onsite: At your office or a venue you choose, in full days.
- Online, live: Instructor-led over video, usually in half-day sessions so people can keep up with work.
- Hybrid: Some days in a room together, the rest online. Useful when a team works across cities.

Cohort size: 15 to 25 people per trainer. Larger teams run as parallel cohorts on the same outline, so everyone learns the same thing.

Pricing: We quote per cohort, based on duration, format and number of cohorts. There is no per-seat price list: tell us your team and we send a proposal within one business day.

Bring this programme to your team

Request a proposal at cognitivenetworks.ai/contact?programme=dotnet-full-stack-academy

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