bgo LifeScience technologies

Novartis Innovation Campus
Fabrikstrasse 2, Building 3
CH-4056 Basel

Senior Full-Stack Engineer



We are looking for **Senior Full-Stack Engineer** with 5+ years of experience for one of our projects. We will appreciate self-diligence, ability to give constructive feedback and follow procedures.





The Company

OVER 10 YEARS OF EXPERIENCE IN DIGITAL HEALTH

At BGO LifeScience Technologies we make health digital by empowering our customers to deliver their digital health products and solutions through our premium services.

Our history

Started as a boutique IT company in 2008, in less than 3 years we grew to become a leading IT company with 100+ employees, serving clients from around the globe across several verticals. After more than 12 years of experience within the healthcare industry, we set our main direction. Today, BGO LifeScience Technologies is the digital health lab that aims to improve and save lives today through technology.

Our expertise & services

We have extensive background in the development of clinical research systems, eHealth solutions (web and mobile health applications) and GMP validated systems for pharmaceutical & biotech companies.

Our people

Our culture is defined by our people. We are an innovation team that values mutual trust, creativity, systems thinking, agility, and adaptability. We are creating a movement in the IT industry so that more people choose the professional path towards saving and improving lives through technology.

What We Are Building

We're rebuilding new platform on a cloud-native stack: .NET 10 Minimal APIs behind Clean Architecture boundaries, an Angular 22 front end, SQL Server 2025, and Azure. The target architecture is already written down, your job is to turn the blueprint into production code, slice by slice, and keep it that way under delivery pressure.



WE WILL TRUST YOU WITH

- Ship end-to-end vertical slices: Angular 22 UI → versioned .NET 10 API → SQL Server 2025, including the tests that prove each slice.
- Design APIs that stay honest: Problem Details for every error shape and no exception-driven control flow.
- Work inside a mostly stored-procedure-driven data flow: read, debug, and evolve the T-SQL procedures that carry the business logic, and write the occasional statement through Dapper where a procedure is the wrong tool.
- Build and operate on Azure: services containerized and scheduled on AKS, backed by Azure SQL, Service Bus, SignalR Service and Key Vault, and observed through Application Insights.
- Run the whole stack locally with Docker. Compose with SQL Server 2025, the API, and the Angular dev server, so the inner loop never depends on a shared environment.
- Work agent-first: drive coding agents through specs, review everything they produce, and improve the guardrails (repo conventions, skills, MCP tools) that keep them useful.
- Raise the bar: review code, mentor mid-level engineers, and push back on design that will not survive its first real load.

PROVEN SKILLS IN

- 5+ years shipping production web applications, including 3+ on ASP.NET Core and strong Angular (18+ in anger; we're on 22 - fundamentals matter more than the version number, and we'll expect you to move fast).
- Confident C#: async/await, DI, records, nullable reference types, Minimal APIs or controllers, and testing that includes integration tests against a real database.
- Advanced SQL Server: T-SQL, indexing strategy, execution plans, transactions and isolation levels, optimistic concurrency - enough to read someone else's procedure and say what it does to the plan.
- Azure literacy: you can deploy what you build, wire managed identity and Key Vault, and find the cause of a slow request from telemetry alone.
- Kubernetes as a working surface, not a black box: images, deployments, config and secrets, resource limits, and enough kubectl to read a crash-looping pod's logs without escalating to the platform team.
- Comfortable in a containerized local environment: Docker Compose as the default way to bring up SQL Server, the API, and the front end.
- Agentic development fluency: AI coding agents are part of your daily workflow, on the tooling the team standardises. What matters is the method — you can say precisely where agents help, where they burn you, and how you verify their output



YOUR ADVANTAGES

- Real-time at scale: SignalR through Azure SignalR Service, ~10k concurrent connections.
- Transactional outbox, HybridCache, Service Bus, durable idempotency receipts.
- Legacy modernization / strangler-fig migrations.
- AKS beyond the basics: Helm or Kustomize authoring, KEDA scaling, workload identity, ingress and network policy, and performance tuning on .NET.

Our benefits for you



Professional growth and learning as well as personal development



Flexible working hours and Work-Life Balance of extraordinary importance



Additional health insurance with dental insurance, and psychological support



22-25 annual paid leave. Remote, hybrid or office work mode



Multisport card reimbursements



Learning organization by design, knowledge sharing through internal trainings from the best professionals



Bonuses for your special day – b-day, wedding, baby on board, and many more