

Full Stack Developer / Architect (AI Focus)

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Lead the architecture and delivery of a new AI-first product at a fast-moving startup.

FULL-TIME Tech Lead / Architect Hybrid / Remote-Friendly

Location: Preferably North America or Europe (± 3 h from CET/ET)

Company: NovaGrid Labs (early-stage SaaS startup)

Product: Greenfield AI-enabled platform for intelligent workflow automation and insights.

NovaGrid Labs is building an AI-first platform that helps modern teams automate operational workflows, surface insights, and make better decisions using their existing data and tools. We are a small, senior team and are looking for a **Full Stack Developer / Architect** who can own the technical vision and lead end-to-end implementation of our new AI-focused product.

The Role

You will be the primary technical lead for our new product line: from shaping the architecture and stack to building core services and mentoring future team members. You will work closely with the founders and product to transform ambiguous customer problems into scalable, production-grade solutions.

- Set the overall **system architecture** and technical direction for a greenfield AI product.
- Design and implement **full stack features** across web UI, APIs, and data layer.
- Integrate and orchestrate **AI/ML capabilities** (LLMs, embeddings, vector search, prompt pipelines).
- Establish engineering best practices (review standards, testing, CI/CD, observability).
- Collaborate closely with product & design to ship iteratively and validate with customers.
- Help build and mentor a small engineering team as we grow.

Our Tech Stack

You don't need experience with every item, but you should be comfortable working across similar technologies.

Frontend: Angular, React

Backend: .NET / ASP.NET Core (C#)

Database: SQL Server

APIs: RESTful services, JSON, OpenAPI/Swagger

AI: LLMs (OpenAI / Azure OpenAI / similar), embeddings, vector search

Auth: OAuth2 / OpenID Connect, JWT

Cloud: Azure (preferred) or AWS

Infra: Docker, container-based deployment

CI/CD: GitHub Actions / Azure DevOps (or similar)

Monitoring: Application logging, tracing, metrics

What You'll Do

- Define the **architecture** for scalable, secure, multi-tenant web applications and services.
- Design and build **Angular or React** SPAs communicating with ASP.NET Core backends.
- Model and optimize **SQL Server** schemas, queries, indexes, and data access layers.
- Implement **AI-powered features** like natural language interfaces, summarization, and recommendations.
- Design robust **API contracts** for internal and external integrations.
- Lead **technical decision-making**, from framework choices to deployment strategies.
- Set up **DevOps pipelines** (build, test, deploy, rollback) and basic observability.
- Ensure security, performance, and reliability are built-in from day one.
- Provide technical mentorship and code reviews to raise the bar across the team.

What We're Looking For

- **6+ years** of professional software development experience, with at least 2 years in a senior/lead capacity.
- Proven experience designing and implementing **full stack web applications** end-to-end.
- Strong proficiency in **.NET / ASP.NET Core** and C#, including experience with layered or clean architecture patterns.
- Hands-on experience with **Angular and/or React** building modern, component-based SPAs.
- Solid understanding of **relational databases** and **SQL Server** (schema design, query optimization, transactions).
- Experience integrating or building on top of **AI / LLM APIs** (e.g., OpenAI, Azure OpenAI, Hugging Face, etc.).
- Comfortable with **cloud deployment** and containerization (Docker) in production environments.
- Ability to make and communicate **architecture trade-offs** clearly to technical and non-technical stakeholders.

- Strong sense of **ownership**: you are comfortable operating in ambiguity and driving projects to completion.
- Excellent communication skills and experience collaborating closely with product and design.

Nice to Have

- Experience in a **startup or early-stage** environment.
- Background in **enterprise SaaS**, B2B data platforms, or workflow/automation tools.
- Experience with **event-driven architectures** or message queues (e.g., Azure Service Bus, Kafka, RabbitMQ).
- Knowledge of **domain-driven design** (DDD) and clean architecture principles.
- Experience with **role-based access control (RBAC)** and multi-tenant SaaS patterns.
- Exposure to traditional ML, data pipelines, or analytics tooling.

What We Offer

- Competitive salary and **early-stage equity**.
- Opportunity to **own the architecture** of a core product from the ground up.
- Direct collaboration with the founders and customers; high impact and visibility.
- Flexible work hours and **remote-friendly** culture with a bias for async communication.
- Budget for **learning and tools** (courses, conferences, books, hardware as needed).

How to Apply

Send your CV or LinkedIn profile, a brief note about your relevant experience, and (optionally) links to any public code or projects.

Email: careers@novagridlabs.com

[Apply via Email](#)

We value diversity and welcome applications from candidates of all backgrounds. If you're unsure whether you meet every requirement, but feel excited about the role, we encourage you to apply.