GraphNode Tech LLC

Capability statement

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graphnodetech.com
Des Moines, Iowa

Company overview

GraphNode Tech is a software engineering company in Des Moines, Iowa. We design and build web applications, APIs and cloud platforms that stay fast and reliable as they grow to millions of users.

Founded in 2026. Small business, registered in SAM.gov for all awards.

Core competencies

- **Architecture for scale.** System designs that hold up under heavy, unpredictable load, from the first thousand users to millions.
- **Web applications and APIs.** Secure, maintainable web applications and APIs built on current .NET, including .NET 11 and .NET 10 LTS.
- **Performance and reliability.** Find and remove bottlenecks before your users do, and keep systems running through traffic spikes and failures.
- **Cloud platforms.** Design, migration and operation of applications on Microsoft Azure and AWS, sized for real demand and cost.
- **Modernization.** Move aging systems to modern, cloud-ready platforms one piece at a time, without stopping the business.
- **DevOps and code quality.** Automated builds, tests and deployments so changes ship often and safely.

Differentiators

- Ten years of engineering experience, more than eight of them building, scaling and modernizing production software
- Hands-on re-architecture of a global monolith into independently scalable, region-independent services
- Scale planned from day one: capacity planning, load testing and monitoring are part of every build
- Accessible by default: deliverables built to WCAG 2.2 AA, the standard behind Section 508
- Direct access to the engineer who designs and builds the system

Key personnel experience

Work performed by our founder at previous and current employers; not company past performance.

- **Monolith to cloud-native services.** Led the re-architecture of a large .NET Framework application into independently deployable microservices on Azure, using event-driven messaging, CQRS and saga patterns. Global hearing-technology manufacturer, 2021 to present.
- **Regional independence at global scale.** Split a single global system into regionally independent applications with separate SQL databases, storage tables and blobs, so each region can scale and operate on its own. Global hearing-technology manufacturer, 2021 to present.
- **Distributed team leadership.** Led an engineering team across the United States, Denmark, Poland and India, and raised code coverage with SonarQube quality gates. Global hearing-technology manufacturer, 2024 to present.
- **Public-sector e-permitting.** Developed and maintained a state environmental agency's e-permitting system for the Idaho Pollutant Discharge Elimination System (IPDES) program. Software firm in Houston, Texas, 2020 to 2021.

Technologies

C#, .NET 11, .NET 10 LTS, ASP.NET Core, Entity Framework Core, SQL Server, PostgreSQL, Azure Functions, App Service, Service Bus, Event Hubs, API Management, AWS, Azure DevOps, GitHub Actions, SonarQube

Corporate data

Legal name	GraphNode Tech LLC
UEI	**L294JK7CFRA5**
CAGE code	**25EA7**
SAM.gov	Active registration (All Awards)
Primary NAICS	**541511** Custom Computer Programming Services
PSC	**DA01** Application development support services
Business size	Small business
Founder	Saher Nassereddine, Founder
Contact	contact@graphnodetech.com