

Lead C# Developer – Legacy Project Modernization

Orion Dynamics · Hybrid – New York, NY (USA)

C# / .NET CORE TECHNICAL LEAD LEGACY REFACTORING ORM & SQL
6+ YEARS EXPERIENCE FULL-TIME

Orion Dynamics is a global technology and services corporation supporting mission-critical systems for Fortune 500 clients. We are seeking an experienced **Lead C# Developer** to take technical ownership of a large, business-critical **legacy .NET application**, drive its modernization, and lead a small distributed engineering team.

You will be the primary technical owner of an existing legacy platform: analyzing the current system, planning and executing refactors, improving performance and reliability, and guiding the transition toward modern .NET Core-based services.

Key Responsibilities

- Take full technical ownership of an existing legacy C#/.NET application and related services.
- Analyze existing codebase, architecture, and database design; identify technical debt and risks.
- Design and implement a pragmatic modernization roadmap toward .NET Core-based solutions.
- Refactor, modularize, and optimize legacy components while keeping the system stable and available.
- Lead and mentor a small team of developers (code reviews, pair programming, technical guidance).
- Implement and enforce coding standards, best practices, and architectural guidelines.
- Improve data access layers using ORM best practices (e.g., Entity Framework, Dapper, or similar).
- Write, optimize, and review complex SQL queries, stored procedures, and database schemas.
- Collaborate closely with product owners, business analysts, and QA to clarify requirements and priorities.

- Introduce or improve automated testing, CI/CD pipelines, and observability for the legacy system.
- Document architecture, key modules, data flows, and operational procedures.
- Troubleshoot and resolve production issues, including performance bottlenecks and data integrity problems.

Required Qualifications

- **6+ years of professional experience** as a C#/.NET developer.
- Strong, hands-on experience with **.NET Core (ASP.NET Core)** for backend services and APIs.
- Proven experience working with an **ORM** (e.g., Entity Framework Core, Dapper, NHibernate) in production systems.
- **Strong SQL skills:** complex joins, indexing strategies, query optimization, and profiling.
- Solid understanding of **relational databases** (SQL Server preferred; experience with others is a plus).
- Experience refactoring and stabilizing **legacy .NET Framework** or large monolithic applications.
- Strong knowledge of **object-oriented design**, SOLID principles, and common design patterns.
- Experience building and consuming **RESTful APIs** and integrating with external systems.
- Proficiency with **source control (Git)** and modern branching/review workflows.
- Comfortable working on Windows and/or Linux server environments for .NET Core deployments.
- Excellent communication skills and the ability to explain technical trade-offs to non-technical stakeholders.
- Ability to work in a hybrid environment (2–3 days per week onsite in New York, NY).

Preferred / Nice-to-Have

- Previous experience as a **technical lead**, team lead, or senior developer mentoring others.
- Experience breaking down monoliths into **modular architectures or microservices**.
- Familiarity with **message queues** (e.g., RabbitMQ, Azure Service Bus, Kafka) and event-driven design.
- Hands-on experience with **CI/CD** tools (Azure DevOps, GitHub Actions, Jenkins, or similar).
- Experience with **automated testing** (xUnit, NUnit, MSTest) and test-driven or test-first approaches.
- Exposure to **cloud platforms** (Azure preferred; AWS or GCP also relevant).
- Knowledge of **logging/monitoring** and APM tools (e.g., Application Insights, ELK, Datadog).

- Experience working in **regulated or enterprise environments** (finance, healthcare, etc.).

What We Offer

- Competitive salary and annual performance bonus.
- Comprehensive health, dental, and vision coverage.
- 401(k) with company match.
- Generous paid time off, sick leave, and company holidays.
- Hybrid work model with flexible hours.
- Professional development budget for conferences, courses, and certifications.
- Opportunity to lead a strategically important modernization initiative with high visibility.

About Orion Dynamics

Orion Dynamics is a large, multinational technology company specializing in enterprise-scale platforms, data-driven solutions, and managed services. Our teams support critical operations for clients across finance, manufacturing, logistics, and public sector domains. We value pragmatic engineering, clear communication, and a culture of continuous improvement.

How to Apply

Please send your resume (and optionally a brief cover letter) to careers@oriondynamics.com with the subject line "*Lead C# Developer – Legacy Modernization*".

Include links to your GitHub, GitLab, or other relevant code samples if available.