

Senior Software Developer – Legacy Modernization (Java / .NET Core)

Northbridge Global Systems · Enterprise Technology Division · Full-time

JAVA

.NET CORE

ORM (EF / HIBERNATE)

SQL

LEGACY SYSTEMS

REFACTORING

ENTERPRISE APPLICATIONS

Location: Hybrid – New York, NY (Global Fortune 500 Headquarters)

Experience: 6+ years professional software development

Department: Corporate Platforms & Modernization

Lead the modernization of a mission-critical legacy platform used across multiple global business units. Own the codebase, drive refactoring, and shape its evolution to a modern, robust architecture.

About Northbridge Global Systems

Northbridge Global Systems is a multinational technology and services corporation supporting complex, high-availability platforms for financial, logistics, and compliance operations worldwide. Our Enterprise Technology Division builds and maintains large-scale internal systems that power core business processes across more than 40 countries.

Role Overview

We are looking for a Senior Software Developer to take ownership of a large, business-critical legacy application and lead its transformation. The system currently runs a mix of Java and .NET components, with heavy use of relational databases and ORM frameworks.

You will be responsible for understanding the existing architecture and codebase, refactoring and improving it for maintainability and performance, and systematically modernizing the platform while ensuring stability for our enterprise users.

Key Responsibilities

- Take technical ownership of an existing legacy enterprise application (Java and .NET Core stack).
- Audit and analyze current architecture, code quality, and database usage to identify risk areas and modernization opportunities.

- Refactor legacy modules into clean, testable, and well-documented components.
- Design and implement modernization strategies (modularization, gradual replacement, API exposure, service extraction where appropriate).
- Improve performance and reliability of data access layers using ORM best practices and optimized SQL.
- Introduce and enforce coding standards, code review practices, and technical documentation for long-term maintainability.
- Collaborate with business analysts, QA, infrastructure, and operations teams to plan and execute incremental releases.
- Implement automated tests (unit, integration, and regression) around high-risk and core business logic.
- Work within established SDLC processes (change control, compliance, release management) in a large corporate environment.
- Provide mentorship and technical guidance to mid-level and junior developers involved in the platform.

Required Qualifications

- **6+ years of professional software development experience** in enterprise or large-scale systems.
- Strong experience with **Java** (Core Java, object-oriented design, exception handling, multithreading basics).
- **.NET Core experience is mandatory**, including building and maintaining backend services or APIs.
- Hands-on experience with at least one major **ORM framework** (e.g., Entity Framework Core, Hibernate, NHibernate) in production systems.
- **Strong SQL skills**, including complex queries, indexing strategies, query optimization, and database schema design (SQL Server, Oracle, or similar).
- Proven experience working with and refactoring **legacy codebases** (limited tests, mixed patterns, partial documentation).
- Solid understanding of **software design principles** (SOLID, layered architecture, separation of concerns, dependency injection).
- Experience building and consuming **RESTful APIs** in Java and/or .NET Core.
- Familiarity with **version control (Git)** and collaborative workflows (pull requests, code reviews).
- Comfort working in structured **enterprise environments** with formal processes, documentation, and compliance requirements.

- Strong communication skills and ability to work closely with non-technical stakeholders to clarify requirements and constraints.

Preferred Skills

- Experience incrementally modernizing monolithic applications (modularization, APIs, microservice-friendly patterns).
- Knowledge of **ASP.NET Core** Web API and Java web frameworks (e.g., Spring Boot) is a plus.
- Experience with **CI/CD pipelines** (Azure DevOps, GitHub Actions, Jenkins, or similar).
- Exposure to **cloud platforms** (Azure, AWS, or GCP), including basic deployment, configuration, and monitoring.
- Familiarity with **message queues** and integration patterns (e.g., RabbitMQ, Kafka, MSMQ, or enterprise messaging buses).
- Prior work in domains such as finance, insurance, logistics, or other regulated industries.
- Experience with automated testing frameworks for both Java and .NET (xUnit, NUnit, MSTest, JUnit, etc.).
- Understanding of **performance profiling** and troubleshooting tools for application and database layers.

What We Offer

- Opportunity to own and modernize a high-visibility, business-critical platform used across multiple global business units.
- Competitive compensation package with annual bonus eligibility.
- Comprehensive health, dental, and vision benefits; 401(k) with company match.
- Hybrid work model with flexible hours within core collaboration windows.
- Professional development support, including training, certifications, and conference participation.
- Collaborative, experienced engineering teams within a stable, global corporate environment.

How to Apply

Please send your resume (and optionally a brief cover letter) to careers@northbridge-global.com with the subject line: "Senior Software Developer – Legacy Modernization (Java / .NET Core)".

Include a short description of a legacy system you have refactored or modernized and the key techniques you used.