

AI SDLC Refactoring Accelerates Legacy

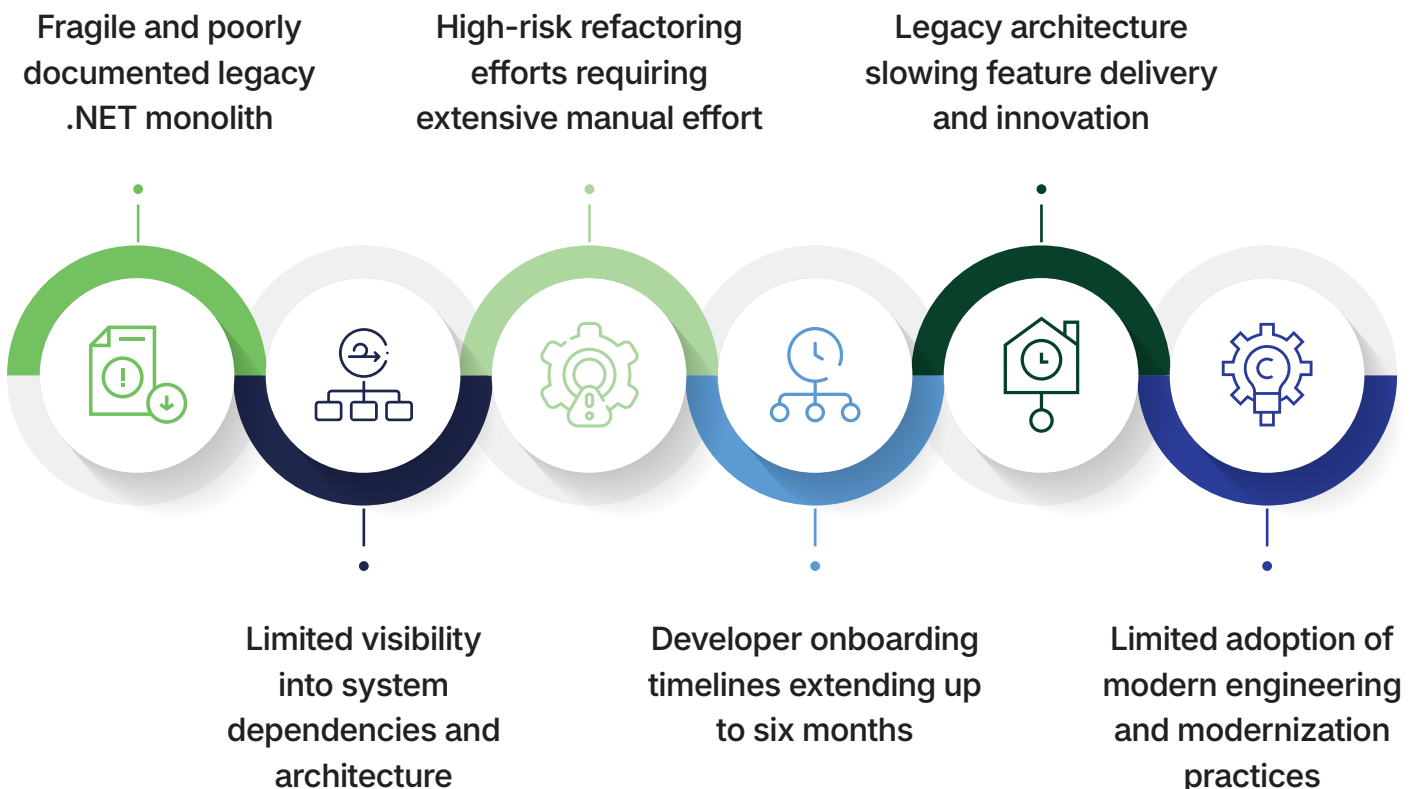
.NET Platform Modernization



Client Overview

A leading digital payments processor specializing in the insurance industry needed to modernize a large legacy .NET platform supporting claims disbursements and premium collections across North America. The aging monolithic application had not been significantly refactored in years, creating operational bottlenecks that limited developer productivity, slowed innovation, and reduced the organization's ability to scale modern engineering practices.

Business Challenge



Solution

ThoughtFocus implemented an **AI-powered refactoring platform** designed to modernize the client's legacy .NET application with minimal operational disruption.



1 AI-powered SDLC refactoring accelerator tailored to the client's application architecture

2 Harness-based orchestration framework coordinating specialized AI coding agents

3 Vertical-slice migration from legacy .NET monolith to modern .NET Core architecture

4 Embedded AI-driven testing and refactoring workflows across the software development lifecycle

Impact

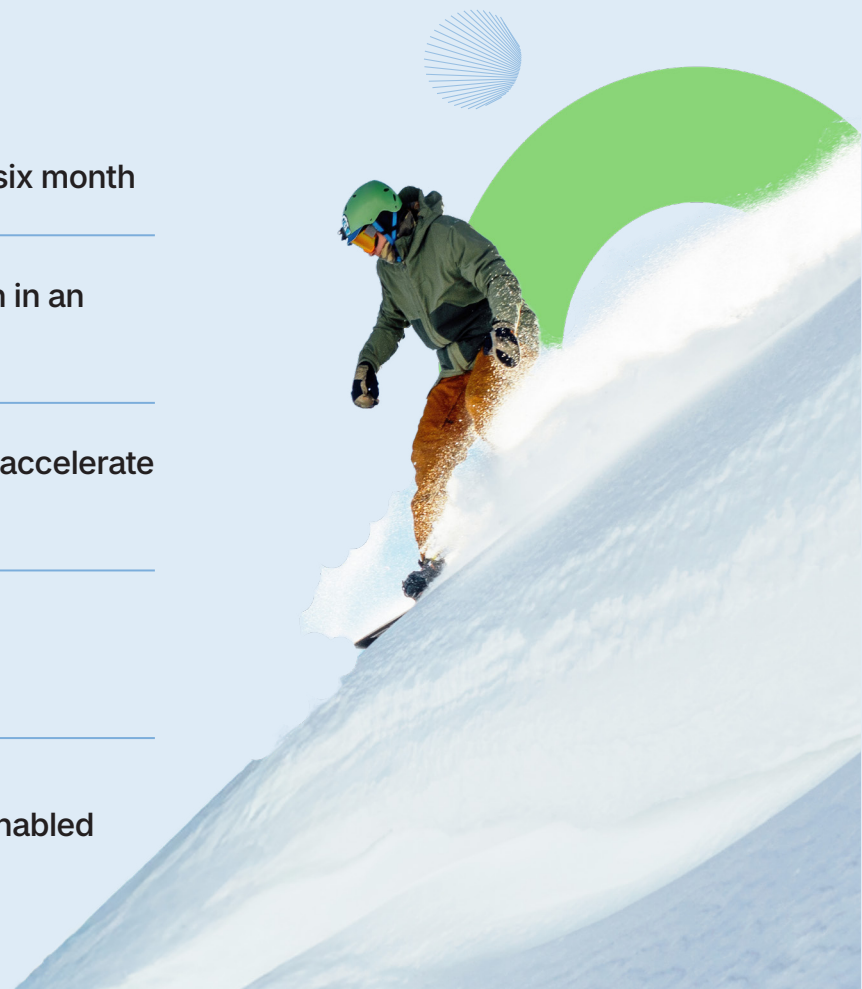
Full platform refactoring completed within six month

Individual functional module modernization in an average of three days

Parallel execution of multiple workflows to accelerate delivery timelines

Developer onboarding reduced from six months to weeks

Technical debt elimination through an AI-enabled modernization framework



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