

Caylent Accelerate™ for Application Modernization

Rewrite Legacy Applications with Agentic AI Fleets



Modernize legacy applications without the risk, delay, or overhead

Your legacy applications that power core business operations limit scalability and innovation. They are costly to maintain, hard to update, and vulnerable to security risks. As technical debt grows, the prospect of rewriting your applications becomes risky, slow, and resource-intensive; requiring large teams, long timelines, and rigid roadmaps that often stall under real-world complexity.

Derisk your application modernization with enterprise-grade accuracy and fixed-fee predictability from Caylent Accelerate™

Caylent Accelerate™ for Application Modernization redefines the rewrite process using coordinated fleets of AI agents that operate across the SDLC. These agents collaborate to analyze legacy code, design architecture, rebuild applications, and perform testing and deployment in parallel, while human engineers remain in the loop to ensure accuracy, security, and compliance.

With agentic velocity, fixed-fee engagements, and enterprise-grade rigor, organizations can realize up to 75% time savings compared to traditional rewrite methods.

Our Difference

Purpose Built for Rewrites	Coordinated Agent Fleets	Human Validated Quality	Zero Disruption Delivery	AI SDLC Enablement
Designed for complex legacy systems that require a complete re-architecture for modern scalability, security, and performance.	Specialized AI agents work in parallel fleets across every stage of the SDLC to analyze, rewrite, rebuild, validate, and deploy code.	Each deliverable is reviewed by automated tests and human experts to ensure accuracy, performance, and security before deployment.	Parallel environments, rollback safeguards, and incremental releases ensure business continuity during deployment.	Empower teams with expert guidance and training to embed AI-native practices into everyday engineering development workflows.

Our Approach

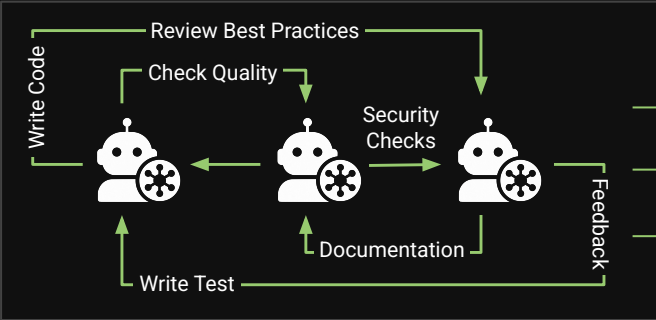
01	02	03	04	05
Discover & Define	Plan & Design	Build & Validate	Launch & Deploy	Manage & Extend
Specialized AI agents conduct comprehensive code analysis and generate detailed feature backlogs.	Map legacy systems into modernization plans with target architecture aligned to platform and business goals.	Use agentic builds across rewrite, refactor, and upgrade paths, with testing for readiness and compliance.	Automate deployment and observability, enabling controlled releases that derisk and ensure readiness.	Continued acceleration of your modernization goals and business objectives with our team of experts.



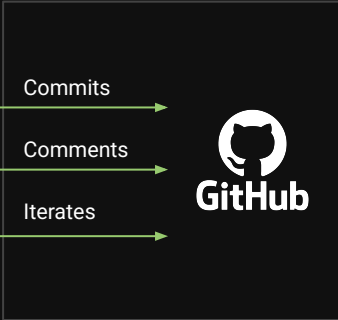
Architecture

Our architecture leverages specialized AI agents at every SDLC phase with human-in-the-loop validation for enterprise-grade quality and accelerated delivery.

Fleet of Agents



Pull Request



Deliverables

Feature Breakdown	Complete functional and non-functional requirements with stakeholder alignment.
Architecture & Acceptance Criteria	Detailed architecture specification with technical implementation plans including AWS services, code libraries, and testing specs.
CI/CD Infrastructure	Production-ready development environment with automated deployment pipelines and quality gates.
Modernized Application Code	100% rewritten, enterprise-grade code with comprehensive test coverage and security validation.
Production Deployment	Live modernized application with operational procedures and monitoring capabilities.

Customer Success

- AI Agents
- Legacy Modernization
- Cloud Migration

*Anonymized



Enterprise Technology Company*

Challenge

Legacy payment platform was creating bottlenecks and limiting business agility with outdated architecture and manual processes.

Solution

Implemented five-phase process with Caylent Accelerate™, using specialized AI agents for automated code analysis, architecture design, and modernization.

94% Reduction in Required Team Size

Same deadline met with 1 team of 6 people instead of 9 teams of 108 people

Estimated 4,990 Weeks Saved

Reduced effort from 5,335 to 345 man-weeks

Production-Ready SaaS Platform

Complete CI/CD automation and security validation



Let's Get Started

Caylent Accelerate™ can help you at any stage of your modernization journey with our AI-powered approach that delivers up to 75% time savings.

As a first step, we recommend a comprehensive Discovery & Define assessment to analyze your current application portfolio and create a detailed modernization roadmap with transparent cost breakdowns.

Scan the QR code and talk with our specialists

