

TAVANT

AGENT-LED LEGACY MODERNIZATION FOR A NATIONAL MORTGAGE LENDER

*How Tavant Modernized a Legacy
Digital POS Platform into
Cloud-Native Microservices with
AIGNITE™ App Modernizer*



THE CLIENT AND THE CHALLENGE

A top-tier national non-QM mortgage lender relied on a high-volume digital point-of-sale platform built on a legacy PHP/Laravel monolith that was limiting scalability and speed-to-market. Fragmented codebases across obsolete languages and frameworks increased modernization complexity, while a traditional manual rewrite was projected to take years and carry significant cost and error risk.

THE SOLUTION

Tavant used AIGNITE™ App Modernizer and its Agents, Sub-agents, and Skills to execute a phased, deterministic seven-stage modernization with business stakeholders engaged throughout. Discovery and Intent Extraction mapped application dependencies, while BDD behavior lock-in and parallel runs validated functionality before new code was released. The legacy platform was rebuilt using React SPA, .NET Core Minimal APIs, Dapper, microservices, Azure Container Apps, APIM, and Infrastructure as Code, with security incorporated throughout the process.

THE IMPACT

The modernization moved the lender from a legacy PHP/Laravel monolith to a modern cloud-native architecture while validating behavior before release and eliminating regression risk during migration. The resulting architecture is fully portable across AWS, Azure, or GCP, and the program modernized 340,000 lines of legacy PHP, increased feature delivery velocity by 5x, reduced manual coding effort by 80%, and achieved zero business disruption.



RESULTS SNAPSHOT

340K Lines Modernized Legacy PHP code modernized	5× Faster Feature Delivery Increased feature delivery velocity	80% Less Manual Coding Effort Manual coding eliminated across much of the modernization effort	Zero Business Disruption Migration completed without disruption to business operations
--	--	--	--

SERVICES SNAPSHOT

AGENT LED APPLICATION MODERNIZATION

AIGNITE™ App Modernizer provided a seven-stage approach to modernizing the legacy application, with business stakeholders engaged throughout the process.

DETERMINISTIC, AGENT-ASSISTED MODERNIZATION

AIGNITE™ App Modernizer packaged as plugin with Agents, Sub-agents, and Skills supported a phased migration designed to systematically move the application from its legacy architecture to the modernized environment.

DISCOVERY AND BEHAVIOR LOCK-IN

Discovery and Intent Extraction mapped application

dependencies, while BDD behavior lock-in and parallel runs verified functionality before new code was released.

CLOUD-NATIVE ARCHITECTURE

The legacy PHP/Laravel platform was rebuilt using React SPA, .NET Core Minimal APIs, Dapper, microservices, Azure Container Apps, APIM, and Infrastructure as Code.

PORTABLE WITH ZERO BUSINESS DISRUPTION

The resulting architecture is fully portable across AWS, Azure, or GCP, while the modernization was completed with zero disruption to business operations.

