

Accelerating Salesforce Development with GenAI-Powered Automation

How a Fortune 10 Tech Enterprise Cut Salesforce Dev Time by 35% with GenAI

Delivered by Agivant | Powered by Google Gemini & Salesforce

A Fortune 10 Tech enterprise managing complex Salesforce customizations was

- ▶ Experiencing slow-release cycles and mounting developer workload.
- ▶ Teams were spending 50–60% of their time translating user stories into testable code
- ▶ Manual testing, inconsistent documentation, and long feedback loops made projects take 3–6 months on average.

There was a need for a scalable solution to **automate development, enhance quality, and accelerate time to deployment**—without compromising compliance or security.

Agivant's GenAI-Driven Salesforce Developer Productivity Solution

Agivant deployed a GenAI-powered development accelerator that transformed how user stories were converted into Apex and LWC code, with full test coverage and Salesforce-specific logic, using Gemini models.

Key Capabilities Include

Context-Aware Code Generation

Used Gemini 2.0/2.5 Flash + Pro to generate Apex, SOQL, and LWC from user stories with full Salesforce schema and metadata context.

Advanced Prompt Engineering

Chain-of-Thought (CoT) and prompt chaining enforced platform logic, field-level security, and architectural best practices.

Test Case Automation with Gemini Gems

Auto-generated test classes and validation scripts from AI-mapped scenarios, reducing time spent in QA.

Human-in-the-Loop Workflow

Developers validated model outputs for deployment-readiness, enabling continuous feedback for AI improvement.

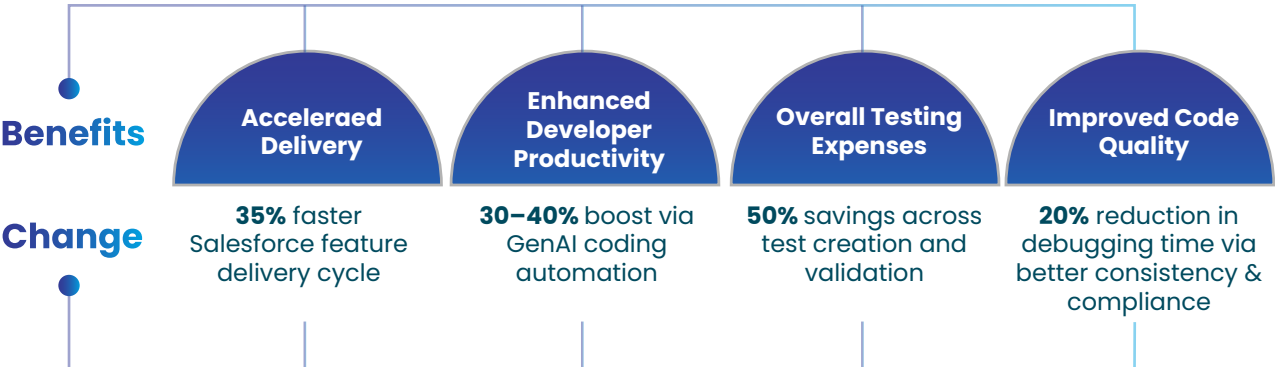
User Story

Gemini
(Salesforce
Context +CoT)

Apex/LWC →
Deployment

Tech Stack

- **Salesforce:** SData Cloud, Apex, Lightning Web Components (LWC), SOQL (Salesforce Object Query Language)
- Gemini models (Gems, 2.5 Flash, AI Flow)



Voice of the Customer

“With Agivant’s Gemini-powered solution, we went from 8 hours of manual coding to 2 hours of validated, testable output—without sacrificing compliance. It fundamentally changed our development velocity.”

Agivant Services



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