LatentView
Actionable Insights • Accurate Decisions

Claude
Partner Network

CASE STUDY

Automating End-to-End Data Engineering and Development Workflows with Claude for a Leading Software Company



Industry: **Software & Technology** | Domain: **Marketing & Growth Analytics**

IMPACT

< 60 seconds
PRODUCTION FAILURE DIAGNOSIS

1-3 hours
REDUCTION IN MANUAL EFFORT

30+
AUTOMATED STEPS

CLIENT

A leading enterprise software company in digital media solutions, digital analytics, marketing, and commerce.

CHALLENGES

Data engineering operations relied on manual work across disconnected systems, slowing root cause analysis and increasing dependency on senior engineers.

OUR APPROACH

We used **Claude as the reasoning engine** to accelerate development of an enhanced tool with Model Context Protocol (MCP)-based integrations that **orchestrate end-to-end engineering workflows.** It acts as an intelligent workflow layer, executing complex multi-step processes autonomously, with **human approval** at key checkpoints.

HERE'S WHAT WE DID

Connected Agentic Engineering Engine

Automated failure investigation and remediation including diagnosing production failures, identifying root causes, applying fixes, and generating pull requests.

Claude-Powered Multi-System Orchestration

Orchestrated Claude as the reasoning layer from analysis to implementation, and communication within a single workflow, and generated actionable insights with minimal code changes.

Human-in-the-Loop Governance

Ensured the overall design remains human-governed emphasizing review, approval-oriented modes through structured guardrails.



BUSINESS OUTCOMES

- Diagnosed production failures in **< 60 seconds.**
- Reduced manual engineering effort by **1-3 hours.**
- Lowered operational burden.
- Automated pull request validation.

Automate your data engineering and development workflows with LatentView x Anthropic.

LET'S TALK →

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