



How an Enterprise AI Assistant Enabled an Automotive Pioneer to Achieve a 30% Reduction in Development Time

INDUSTRY

Automotive

CAPABILITY

Enterprise AI

BUSINESS FUNCTION

Data Engineering

TECH STACK

GitHub, JIRA, SonarQube, Confluence, LaunchDarkly, AI Agents, TypeScript

Client Overview

Our client is a global automotive pioneer with engineering and development teams managing complex codebases. Known for high-quality software engineering and digital innovation, they operate across extensive ecosystems with interconnected repositories and delivery pipelines.

The Ask

The client aimed to accelerate software delivery and improve developer productivity by creating a secure, enterprise AI assistant to automate repetitive SDLC workflows without disrupting existing development processes.

Challenges



Engineers spent considerable time understanding legacy code, debugging issues, and navigating complex codebases across multiple repositories.



Core engineering activities were spread across disparate platforms, including GitHub, JIRA, SonarQube, Confluence, and LaunchDarkly, requiring frequent context switching.



Key operations like release reviews, impact analysis, documentation generation, and code reviews relied heavily on manual effort.

Our Solution: **FRED – Unified AI-Powered Engineering Solution**

Integrated Disparate Engineering Tools:

Connected GitHub, JIRA, SonarQube, Confluence, and LaunchDarkly into a single platform accessible via a natural language interface.

Automated Issue & Code Understanding:

Deployed AI capabilities to analyze issues, navigate complex multi-repository codebases, and explain legacy code structures directly to developers.

Streamlined Release & Impact Analysis:

Automated release dependency reviews, impact analyses, and code review tasks to reduce manual overhead in release operations.

Automated Documentation & Workflows:

Leveraged AI agents to auto-generate technical documentation and execute repetitive engineering workflow tasks.

Embedded Enterprise Governance & Security:

Built the platform with enterprise-grade security, governance, and auditability to meet strict enterprise compliance standards while integrating seamlessly into existing ecosystems.

Impact Delivered



Reduced development time by 30%, significantly accelerating development velocity across teams

Reduced testing time by 50% by streamlining QA and testing workflows through automated analysis and reviews.

Reduced context-switching overhead by 75% across fragmented engineering tools.

Automated end-to-end engineering tasks across all 7 SDLC phases.

What Could an AI-Powered Engineering Assistant Unlock for Your Teams?

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About Us

Tiger Analytics is a global leader in AI and analytics, helping Fortune 1000 companies solve their toughest challenges. We offer full-stack AI and analytics services & solutions to help businesses achieve real outcomes and value at scale. We are on a mission to push the boundaries of what AI and analytics can do to help enterprises navigate uncertainty and move forward decisively. Our purpose is to provide certainty to shape a better tomorrow.

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