

GlobalLogic

A Hitachi Group Company

Streamlining API documentation with GenAI-enabled automation

A leading rental solutions provider needed a faster, more efficient way to generate API documentation. GlobalLogic put one of our AI-powered SDLC solutions to work automating Swagger (OpenAPI) specifications for ~60 services. Our solution drove the following impact for this client:



increased developer
productivity



cut API
documentation
time



ensured clear,
standardized
documentation



Challenge

The client needed a more efficient way to create and maintain API documentation for services built using Ruby on Rails, Kotlin, Elm, Haskell, Python, and React.

Manual documentation was **time consuming**, **prone to inconsistencies**, and **delayed development timelines**. They needed to automate the documentation process, improve accuracy, and free up developer resources for higher-value tasks.

The client aimed to accelerate software delivery while maintaining documentation quality by reducing reliance on manual effort.

Value Created

- **Automated generation of Swagger (OpenAPI)** specifications for ~60 services, eliminating manual effort.
- **Reduced documentation time** from months to hours, significantly accelerating project timelines.
- Ensured **standardized, high-quality API documentation** with minimal developer intervention.

Impact

- **15% increase in developer productivity** by eliminating repetitive tasks with a GenAI-enabled solution.
- Significant **time savings**, enabling developers to focus on higher-priority initiatives.
- **Improved collaboration** and efficiency, ensuring API documentation remains up to date.
- **Faster API adoption** across teams with clear, consistent documentation.