

Accelerated Software Delivery with Enterprise-Grade : Agentic AI in the SDLC

A leading consumer mobility and assistance services provider set out to improve productivity and adopt AI across its software delivery lifecycle.

In a controlled proof of concept, GlobalLogic used components of our AI SDLC offering to accelerate the Requirements and Testing phases for a new portal feature, compressing cycle times while maintaining quality.

3 wks → 1 wk

requirements cycle

8 hrs → 20 min

test scenario generation



Context

A leading consumer mobility and assistance services provider wanted measurable productivity gains and a dependable way to adopt AI across its SDLC, without lowering its quality bar. The open question was whether agentic AI could compress slow requirements and testing cycles while holding enterprise-grade quality.

Our Role

GlobalLogic ran a controlled PoC using components of our AI SDLC offering across Requirements and Testing for a new portal feature. Backlog and testing agents generated structured backlog items, user stories, test cases, and scripts, with engineers on the loop validating and refining every output.

Impact

Requirements cycle cut from three weeks to one

Test scenario generation reduced from eight hours to twenty minutes, with scripts around 75% faster

Automated test coverage improved from 80% to 90%, with quality maintained or improved

Key Capabilities Enhanced

Agentic Backlog Generation ■ User Story Creation ■ Acceptance Criteria Definition ■ **Test Scenario Generation** ■ Automated Test Scripting ■ Test Coverage Expansion ■ Behaviour-Driven Development ■ **SDLC Acceleration** ■ Quality Assurance