



# How A Leading Software Company's Engineers Went From AI Aware to AI-Powered

## Overview

A leading global technology services firm decided it was time to move beyond AI awareness into AI powered delivery. They partnered with Humaine Labs to build a programme that would work across every layer of the SDLC.

In software development, speed is competitive advantage. Code review, documentation, deployment pipelines — these are the gaps GenAI closes. The challenge wasn't access to tools. It was knowing how to use them.

Humaine Labs designed a three track programme — strategy and design, practical development, and governance, built for their technical teams across roles and seniority levels.

**4+ hours on code review and documentation every sprint cycle**, with no structured process to bring it down.

GenAI tools existed across the org **but weren't embedded into real development workflows**.

**The Client partnered with Humaine Labs** to turn AI capability into a real delivery advantage.

## Challenges



**Slow development cycles:** Code review, technical documentation, and requirement analysis consumed 4+ hours per cycle, with no tooling or process in place to systematically reduce it.

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**Fragmented AI adoption:** GenAI tools were available but used inconsistently, with no shared workflows or prompt standards across teams.



**No governance framework:** As AI generated code entered pipelines, teams had no structured approach to quality control or security review.



**AI felt theoretical for architects:** Senior architects understood GenAI conceptually but hadn't applied it to system design, proposals, or delivery planning.

## Solution

Three tracks, each built for a specific role. Each targeting a distinct layer of the SDLC. Not a generic AI overview, a working programme built around what each role actually does.

Track 1 equipped architects and delivery leads to apply GenAI to requirements analysis, system design, and technical documentation. Track 2 put AI coding assistants directly into developers' hands — writing, reviewing, and testing code. Track 3 gave engineering managers and CTOs a governance framework for scaling GenAI responsibly.

By session end, engineers who had never used an AI coding assistant were shipping code built with AI. The shift was immediate and visible.



## What Makes This Different

1

**Built around actual work:** Not hypothetical use cases. Participants left with workflows ready for live projects.

2

**Hands-on live labs:** Participants produce real outputs in the room, not just watch demos and hope it clicks later.

3

**Taught by practitioners:** Humaine trainers have run these workflows themselves, not academics or influencers teaching theory.

## Results



Code review & docs time cut **from 4 hrs to 35 min**



**91% Developers** active on AI post programme



**8× faster** Test case generation speed



**3 of 3 Tracks with AI governance** playbook adopted

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I didn't know AI could make me code this fast, and make me a better developer as well.

– **Senior Developer, Leading Software Company**

## About Humaine

Humaine Labs is a **practitioner-led AI learning and execution partner** built with a simple belief, teams don't need more theory, they need hands-on mastery. We have trained over 3000 professionals from 50+ top organizations such as Marico, Aether, L&T, Capgemini among others.

If this could be relevant to your business, do reach out us at [learn@humainelabs.com](mailto:learn@humainelabs.com)