



Legacy Codebase Migration Blueprint

Helping CGI and their client move from IBM EGL to Spring Boot, with a structured, actionable migration plan.

AT A GLANCE

CLIENT

CGI (on behalf of a pension fund manager)

INDUSTRY

IT Consultancy / Financial Services

LEGACY TECHNOLOGY

IBM EGL, 1.9 million lines

TARGET TECHNOLOGY

Spring Boot

About CGI

CGI is a well-established IT consultancy organisation, founded in Canada in 1976. CGI provides comprehensive, scalable and sustainable IT and business consulting services, informed globally and delivered locally, across 21 industry sectors and 400 locations.

CGI is a Strumenta partner. Their client is a pension fund management company that manages a total capital of over €590 billion in pension funds for its members and beneficiaries. It's a pension provider that looks not only at financial returns, but also at doing their bit for society, focusing on solidarity between generations, sustainability, values, diversity, climate, and digitalisation.

1976

Founded, Canada

21

Industry sectors

400

Global locations

€590B

Pension funds managed by CGI's end client

THE CHALLENGE

Moving away from IBM EGL

CGI required the expertise of Strumenta to help their client who wanted to move away from their IBM EGL codebase. They chose to migrate to the Spring Boot framework.

CGI and their client estimated that the codebase had 1.9 million lines of code. They didn't have a clear picture of the prevalence of statements used, or patterns that could affect the migration project.

1.9M

Lines of IBM EGL code to analyse

"Strumenta's Migration Blueprint service proved to be an invaluable first step in our client's legacy code modernization journey. Through a series of well-structured workshops with the client, Strumenta's team demonstrated deep expertise in transpiler implementation and legacy and modern programming languages. The collaborative approach helped everyone involved thoroughly understand the migration path ahead."

Paulo Jorge Dias

Director Consulting Expert, IT Modernization, CGI

Why Strumenta?

CGI and their client chose Strumenta to complete a deep analysis of their codebase because of Strumenta's software language engineering expertise, particularly in legacy modernization.

There are also other key reasons Strumenta was chosen:

Guaranteed price, no hidden extras

A fixed, transparent engagement with no surprises.

Recognised thought leadership

Strumenta is known as a thought leader in this field.

Specific migration experience

Specific experience of doing this particular modernization.

Custom-built tooling

Strumenta can complete migrations in any language; their tools are custom made.

The Migration Blueprint Process

The Migration Blueprint process consisted of 5 workshops and a few additional meetings. Strumenta started by identifying goals, understanding the EGL system, highlighting critical areas and pinpointing obstacles.

Strumenta then developed a customised plan for each module to be migrated, giving CGI and their client a clear, sequenced path through a complex 1.9 million-line codebase.

A Comprehensive Migration Plan

The final result was a comprehensive migration plan that the company can follow to migrate their EGL code. By using Strumenta's Migration Blueprint, CGI and their client have a step-by-step approach to ensure:

Smooth, structured transition throughout the migration.

Only relevant code migrated; unused code identified and discarded.

Business continuity preserved at every stage.

LEGACY MODERNIZATION

MIGRATION BLUEPRINT

IBM EGL

SPRING BOOT

CODEBASE ANALYSIS

"Strumenta's methodical process and attention to detail stand out. The resulting Blueprint gave us and our client clear visibility into the technical approach, potential challenges, and implementation steps. This was instrumental in setting us up for a successful migration project. I would recommend Strumenta's Migration Blueprint service to any organisation looking to properly plan their legacy system modernisation."

Paulo Jorge Dias

Director Consulting Expert, IT Modernization, CGI

Find out how Strumenta can help you.

Please contact us for any further information or visit our website.

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