



Turn Visual Studio into the most productive Software Factory!

Fast Facts

Partner: SoftFluent

Web site: www.softfluent.com

Company Revenue: \$3M

Country or Region: France

Industry: Software

Partner Profile

SoftFluent is a Gold Certified .NET software development expert company. It has designed CodeFluent Entities, the 1st fully model-driven software factory for .NET.

Solution Profile

CodeFluent Entities guarantees automatic best practices of Microsoft architecture implementation including: Windows Forms, WPF, ASP.NET, Silverlight, Office, SharePoint, mobile platforms & Azure.

Software used

- Visual Studio 2010
- CodeFluent Entities
- .NET Framework 4.0
- SQL Server 2008
- ASP.NET MVC

For more information about other Microsoft customer successes, please visit: members.microsoft.com/customerevidence

"CodeFluent Entities already reduced our maintenance cost by 25 % where it was applied at the first cycle."

Jean-Michel Texier, Chief Technical Officer, Allociné

Business Needs

AlloCiné is the reference web site in France for movie-related news since several years: movies, theaters, trailers, press and public reviews.

Moreover, AlloCiné has initiated an ambitious international development strategy requiring an adjustment of the offering in various countries.

Business Challenges

Rationalize a large legacy created by the evolution of various different systems over time and especially the content and data management systems.

Reduce application debt related to the maintenance of this legacy built on several historical layers.

Optimize the "time to market" for new features in a web business where time is a critical success factor.

Technical Challenges

From a technical standpoint, the project had to:

- move step-by-step to a structured method while keeping some existing database schemas
- Allow an « *Off-Shore* » team to transparently contribute without compromising quality and productivity
- Manage severe performance and scalability constraints

Partner Solution

CodeFluent Entities is a Visual Studio 2008/2010 integrated environment that helps you master present and future Microsoft .NET development technologies.

It is a model-first tool for continuous generation of all your application layers (user interface, services, business tier and database) that preserves your custom code and data.

It is very flexible and extensible to adjust to any architectures or custom constraints.





"The available integration and 'mapping' options gave us solutions to move step by step. We achieved a real 'cancel and replace' approach without taking the risk of a 'big-bang' move on our legacy."

Jean-Michel Texier, CTO, AlloCiné



Benefits

Reduction of technical debt

CodeFluent Entities significantly reduced the technical debt related to legacy maintenance. Since the first one-year cycle, it was measured as a 25% reduction on the scope where it was applied. Given the product cost, it has been amortized in 4 months, and the observed benefit will be sustainable.

Legacy management

While bringing a strong structure for the new code, CodeFluent Entities proposes maximal flexibility at all levels which gave us the opportunity to keep the database structures that we did not want to change, allowing a step-by-step evolution process.

Development management

The product gives us a real team management benefit. The role separation is very natural and allows each one to work where their skills are best.

Features

Furthermore, the benefits lie in the numerous out-of-the-box features of the product, dynamic localization management, content and user interface management, paging and sorting mechanisms. All those elements are implemented using best practices of the .NET platform and state of the art code quality.

Performance

The performance of database access, managed using ADO.NET best practices and leveraging the power of stored procedures, is a precious asset.

The approach guarantees that the developer always controls the queries as opposed to ORMs generating queries dynamically, which is critical to achieve high performance scenarios. This is why the product is loved by our DBA, which is quite remarkable for a tool also thought to ease the life of developers.

Leverage of the whole Microsoft stack

The Microsoft technology stack is very complete. Leveraging of its capabilities without a clear methodology can be a challenge though. CodeFluent Entities brings you this methodology.

Availability inside Microsoft Visual Studio

CodeFluent Entities Modeler gives you the modelling and generation capabilities directly inside Microsoft Visual Studio, a very powerful development tool.