GEM SYSTEM

Implementation of a project for the delivery of a new billing solution

designed for the client Sodexo Pass Česká republika a.s.

sodexo

As a system integrator, GEM System is the supplier of a billing solution for Sodexo Pass Česká republika. The implemented solution represents a new central component of the company's architecture, critical for its operation.

You will be excited by our solutions.

WHO IS SODEXO PASS ČESKÁ REPUBLIKA

Sodexo Pass ČR is the Czech branch of the business group of the same name with its registered office in France. The company entered the domestic market in 1992. Sodexo companies are the world leader in incentive solutions. They work with more than 375,000 companies in 32 countries around the world, motivate over 25 million people to their satisfaction. Sodexo Pass ČR offers a wide range of motivational solutions from employee benefits, meal vouchers, gift vouchers, the Cafeteria system to solutions for external partners whose main task is to support and reward performance.

DESCRIPTION OF THE SOLUTION

The billing solution will enable the acquisition of orders from the source systems (purchase and sale of meal vouchers, sales and purchase electronic transactions) and on their basis will prepare the documents for the accounting system for their posting and creation of accounting documents. The component is responsible for the correct determination of all prices and fees and makes these calculation functionalities available through the integration interface to source applications, where the client already sees the real price of the order.

The component contains comprehensive functionality for managing the creation of documents, including merging and dividing orders into individual documents according to the contractual settings or the external input of the operator. The solution is ready for further expansion of billing rules and procedures.

- Integration and development
- Business intelligence
- Safety
- Management and support

MPLEMENTATION AND DELIVERY OF SOLUTION

For implementation of this project, an agile team has been created for GEM System, which is responsible for the entire delivery by using the SCRUM methodology.

However, the billing solution is delivered in a heterogeneous mode, where part of the solution is delivered by FTFP mode and TM. Therefore, a project manager is also attached to the team for management, who manages this delivery by using the Prince2 for Agile methodological framework. In addition, the project manager acquired the competence of management and parts of solutions of other suppliers (eg integration of surrounding systems) and its role in the project expanded without affecting the methodological framework of management.

GEM System's agile team has been assembled to cover all the necessary competencies for the delivery of this solution, from architecture and analysis, through development to the design and execution of tests and the creation of documentation.

All requirements (business assignments / functional specifications) for the solution are registered in the JIRA system and a product backlog is created and gradually supplemented. The agile team selects individual tasks from it according to the set priorities for weekly sprints, within which a detailed system specification is prepared and stored in the customer's knowledge base.

(Atlassian Confluence) and defined automated tests for subsequent TDD (Test driven development development). The output of each development is an audited set of source documented code. Each new version goes through an automatic multi-level check on the quality of the code (with the help of the SonarQube tool), the automatic assembly and execution of automated tests (with the help of Bamboo) and then deployment on the internal development environment.

REALIZATION DATE:
since April 2019 and is still ongoing in cooperation with the client.

TOOLS:
Atlassian JIRA, Confluence, Bamboo, SonarQube, GIT, Enterprise Architect, Microsoft Visual Studio

TECHNOLOGIES USED:
Microsoft .Net CORE, Microsoft Azure, SOAP, PostgreSQL, WSO2

COMPLIANT PROJECT METHODOLOGY:
SCRUM, PRINCE2 Agile

✓ *GEM System offers a full billing solution adaptable and extensible solution for billing needs for companies of different sizes and business segments.*

✓ *The whole solution is based on the Business Rules Engine allowing you to define, edit and add a series of rules applied to the input data and their bases create documents for billing and subsequent invoicing.*

We implement your IT vision