



Success Story: FibuNet GmbH

SYSTEM MODERNIZATION – RISK MINIMIZATION THROUGH ARCHITECTURE EVALUATION

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OUR COMPETENCIES

- Performance of architecture evaluations
- Assessment and minimization of risks in software modernizations
- Selection and testing of technologies
- Architecture design

YOUR BENEFITS

- Neutral orientation and guidance guarantees a goal-oriented approach
- Support from the strategic decision to the technical implementation
- Fast management of the uncertainty and complexity of your modernization project
- Immediate project start and rapid progress due to our commitment

WHAT IT IS ALL ABOUT

FibuNet has a long-established successful financial accounting system on the market, which is trusted by a four-digit number of customers. At the time of the original development, commercial database systems were not able to serve certain queries as quickly as necessary to meet user requirements. This is why a proprietary data management system was developed at the time. In the meantime, commercial database systems have become much more powerful. The goal of the joint project with Fraunhofer IESE was to migrate FibuNet's data management to such a commercial solution. In this way, FibuNet wanted to focus their own development capacity more on the actual business logic.

First, FibuNet developed a migration concept and a future architecture based on a relational database system. The experts from Fraunhofer IESE then analyzed – with the help of their external view – whether the future architecture fits the set goals and whether important existing requirements are not jeopardized. The evaluation result confirmed that the planned architecture fits the goals very well and thus formed the basis for a low-risk system modernization. FibuNet can therefore continue to guarantee that their customers will get the usual high quality and performance.

The collaboration with Fraunhofer IESE measurably concretized the strengths of FibuNet's software development and showed us where our architecture still has potential for improvements.

We will exploit this potential systematically in order to secure the existing quality features and to further increase the performance of the new FibuNet version. It is fun to work with the professionals at IESE 'at eye level'.

Ralf Graap
Director
FibuNet GmbH



THE CHALLENGE

The challenge in the project was to create as broad a basis as possible for a risk assessment and, building on this, to provide a clearly understandable risk assessment.

In addition, the assessment results were to be presented in a way that was clearly substantiated but at the same time easy to interpret, so that they could be used not only for technical interpretations, but also for business interpretations. The confidence in the results also had to be presented as clearly as possible.

THE SUPPORT

The basis of the architecture evaluation was the precise elicitation and consolidation of the architecture requirements (existing and future ones) from the perspectives of a wide variety of stakeholders.

Following this, Fraunhofer IESE analyzed and evaluated the existing architecture, the future architecture concepts, and the migration concept together with the architects and developers of FibuNet.

The results were summarized, interpreted, and packaged accordingly. Both the technical and the business stakeholders were thus provided with the answers that were important for them.

THE RESULT

After the architecture evaluation, FibuNet was able to implement additional targeted measures and tests in some areas in order to further minimize the risks in the new version of their financial accounting software. This allowed them to implement this critical system modernization with a significantly better feeling and manageable risk.

FibuNet has thus modernized their software safely and continues to offer their customers high system quality.

Name: FibuNet GmbH

Website: fibunet.de

Industry: Financial Software

Headquarters: Kaltenkirchen, Germany

Number of Employees: 36 (2021)

Project performed: 2011

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