CASE STUDY

SOLUTION AUGMENTS BILLING DATA CAPACITY FOR CLOUD-BASED MONETIZATION LEADER

Client Background

Our client is a company that delivers one of the leading cloud-based monetization platforms on the market. This organization provides a cost-effective way for agile pricing and intelligent billing solutions to transform the back-end operations of the businesses and turn them into a competitive advantage.

Founded in 2008, today our client powers a wide range of publicly traded and privately held companies from traditional industries to IoT, cloud apps, and high-tech enterprises. They assure top-line revenue growth, faster time-to-market, visibility into revenue streams, and operational savings.

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Business Challenge

The client's product is an internet-scale monetization and revenue automation platform designed to manage simple to sophisticated billing and payment transactions. People use this software to monetize and quickly bring to market new products and services. The client set out to develop a project for Representational State Transfer (REST) web services that would allow enlarging the amount of sources billing data could retrieve, building them on top of existing software infrastructure, and assuring the security of business resources.

Project Description

The project was comprised of four architecture layers. The web service application was implemented on the top API layer served to define REST. The business logic of the project was implemented on the Spring framework-based service layer. The database layer was responsible for integrating with all data sources such as MySQL, PostgreSQL, and ElasticSearch. And the domain layer was a "cross-layer" module which consisted of business object models used in all architecture layers.

In order to complete the project, SoftServe experts decided to apply a requirements-driven development framework. This approach enabled the Swagger Code Generation application to create an interface for easily developing and consuming an API by effectively mapping all the initial java classes, resources, models, and operations associated with them on Swagger YAML. This approach gave the developers the opportunity to edit generated classes and add further business logic. It was powered by Amazon SWF, a fully-managed state tracker and task coordinator, which helped developers build, run, and scale background jobs that had parallel or sequential steps.

Value Delivered

The solution delivered by the team of engineers from SoftServe reflected a modern approach to software development and provided an outstanding solution for our client. Due to the successful deployment of the project, developers managed to significantly improve the performance of the current system. The newly-implemented solution enabled the controlling of the system's components, storing client data, maintaining the database, and processing data flows from heterogeneous sources on another qualitative level, making the embedded software a primary tool for managing data objects.

ABOUT US

SoftServe is a global digital authority and consulting company, operating at the cutting edge of technology. We reveal, transform, accelerate, and optimise the way large enterprises and software companies do business. With expertise across healthcare, retail, media, financial services, software, and more, we implement end-to-end solutions to deliver the innovation, quality, and speed that our clients' users expect.

SoftServe delivers open innovation – from generating compelling new ideas, to developing and implementing transformational products and services. Our work and client experience is built on a foundation of empathetic, human-focused experience design that ensures continuity from concept to release.

Ultimately, we empower businesses to re-identify their differentiation, accelerate market position, and vigorously compete in today's digital, global economy.

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