

Enhancing Book Supply Chain Efficiency with Data & AI

SoftwareOne's Data & AI team advised and implemented for Arnoia the best solution for the optimal and efficient use of its data in order to help its customers easily find products they need and to suggest new ones that might be of interest to them.

The challenge

Through its online platform, Arnoia offers an efficient tool for order management, serving not only bookstores and other commercial customers but also individuals. It offers a vast catalog of book titles, genres and additional products (such as tabletop games and stationery products). Given its size, proper organization and complete information of the catalog is critical for customer service.

The solution

SoftwareOne harnessed Google Cloud services—including Compute Engine, Cloud Functions, and BigQuery—to extract information from Arnoia's ERP and PostgreSQL databases as well as from third-party book data sources. The entire catalog was centralized in a Data Warehouse, and Google's Generative AI technology was used to enhance product summarization and categorization.

The result

The information extraction and processing resulted in the implementation of a catalog Data Warehouse that provided two immediate gains. Firstly, it improved the accuracy of the book search engine through tokenization-based indexing. Secondly, the enhanced categorization enabled customer clusterization, leading to better product suggestions for customers.

“ Our partnership with SoftwareOne has been instrumental in refining our data quality and setting the stage for future Data & AI innovations, all powered by the use of Google Cloud services. ”

Adrián Gestal, Project Manager, Arnoia



About ARNOIA DISTRIBUCION DE LIBROS SA.

Arnoia Distribución de Libros S.A. is a Spanish company that plays a pivotal role in connecting book publishers and selling points no matter whether digital or physical. It has positioned itself as a key player in the book supply chain in the Iberian market.

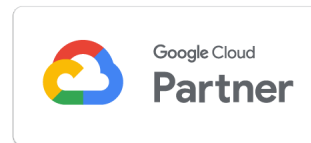
Vertical/horizontal solution: Retail & Wholesale

Primary project location: Spain



About SOFTWAREONE SPAIN S.A.

SoftwareOne is a leading global provider of software and cloud solutions redefining how the world buys, builds & manages everything on the cloud.



Products

Google Cloud Platform