DEVENT**it**

Eastern Enterprise helped DEVENTit in developing a cutting edge cloud based SaaS version of their Atlantis product.

Eastern Enterprise

About ATLANTIS

DEVENTit B.V. is an Enterprise Software Development Company which enables gathering, management, retrieval and application of information by collectors, distributors and users in the art/museum world and beyond. For more than 20 years DEVENTit has developed and supplied the collection management system Atlantis.

Atlantis offers a framework that provides for all the needs of archives, museums, libraries and archaeologists. The framework can be extended with modules, services and portal features via plug-ins. This makes Atlantis an open, modular and extend-able solution that guarantees continuity.

Project Challenges

The information age that we are in comes with its own challenges. Information is of utmost importance today and much so is its collection, management, presentation and retrieval. Since the onset of this information age, the challenge to collect and manage information has only become more important. This is where Atlantis comes in, to provide an advanced and easy to use collection management and portal construction service.

Atlantis provides a platform to organize, control, and manage objects in a collection by tracking all information about and related to those objects. These objects are an assortment of multifarious entities from books (printed or handwritten), art objects to video. Atlantis also caters to the people interested in building their own customized portals which is fully achievable through their proprietary software.

Our client (Atlantis) faced certain challenges in terms of user-interface and

user-design of its existing but growing system. They were in search for experts who could conceive and deliver a picture-perfect front-end system in compliance to the back-end application that was being scaled day by day. This included modules and functionalities like form generators, iterative-searches, etc.

Our Solution

After understanding the specifics of the DEVENTit's requirement, Eastern Enterprise suggested to modify the front-end of their collection management and portal construction systems. We worked on the existing Atlantis framework to make it a scalable product in the SaaS (Software as a Service) category. Through this proposed system Atlantis would provide its users the ability to create and modify the configuration of their collection entities via a rich user experience interface. In this way, it would provide an easy portal construction system with a totally customizable framework which could be extended in a multifaceted way to meet the specific needs of their end-user.

The first phase of the project involved configuration management and the second involved building the collection model. With this new system users were able to purchase modules based on their need and configure them accordingly. The modules include form generator, XSLT rich-text editor, etc. Users can also construct a portal using CMS and then use it as a means to manage and collect data as per their requirement.

Eastern Enterprise understood the need for a user friendly interface that would allow DEVENTit clients to configure their respective portals in a way that would strengthen work flow based on their particular scenarios and pitfalls. With that in mind we designed a new user friendly layout using material design standards for the systems.

Furthermore, Eastern Enterprise developed and implemented an engaging and interactive front-end to the Atlantis collection management system and portal construction with the following features:

- XSLT Rich text editor

- Network view for relations

- Slim panes to view information

- Quick Help options module

- Multilingual support to the entire system

- Securing application with authorization and authentication

- Dynamic form-generator

- Dynamic theme configurator

- Webshop

- Thesaurus

The solution was built using the following technology stack:

HTML5

CSS 3

Angular

Google Map API Integration

Typescript

Bootstrap

To maintain the quality of the modules delivered we set up a three level review process. For each module— we discussed the approach and possible outcome with the client, got their approval, and provided the best optimized solution. We are particularly proud of the system we built because this collection management system is highly scalable, intuitive, comes with an easy to use interface design, and conforms to best the usability and web standards.

For heritage collectors, Museums looking to digitize their collections and artifacts, Atlantis offers modern technology and superior services to simplify the management process.

For individuals thinking about digital archiving, information management and retrieval, or a new direction in collection management, the newly developed Atlantis system helps provide the best technical possibilities that suit vast amounts of information.

End Result

The client was satisfied with the results obtained through our solutions as we met all their expectations and quality standards. It was an honour to develop a highly efficient portal management and collection management system that will be used by registrars, librarians, archaeologists, and their employers.

With our unique solution, Atlantis was able to provide an easy way to manage information. Valuable and vital data can be retrieved and edited with a few clicks. Also, users are able to search with their smartphones for the information, archives, images in the collection system or filter these collected objects with respect to predefined filters – an excellent example of ease of use.

Key Benefits

- Affordable and cost-effective.

- High-level security - your information in the collection management system is completely confidential and secure with an extremely simple and easy-to-use user-interface.

- Faster search results due to optimization of the information retrieval process.

- Mobile ready solution with responsive layouts.

- Better user experience with rich and detailed navigational structures.

- Intuitive information retrieval.

- A unique user experience by connecting registrars, librarians and others seekers of a single platform where they can get a complete and configurable portal construction management system and a collection management system

Eastern Enterprise

" Offshore development is known to be complex and risky. Eastern Enterprise proves themselves to eliminate those risks by adapting to the cultural characteristics of their clients. Combined with their vast commitment to the project and technical skills, Eastern Enterprise is the ideal partner to work with.

Peter van Diermen,
Director, DEVENTIT

Eastern Enterprise

About Eastern Enterprise

Eastern Enterprise is a Dutch IT service company that specializes in crafting software solutions for startups and S&M enterprises. We are a 250+ strong team of passionate technology artists servicing over 100 clients across Europe to create software solutions that are robust, creative, modern, user-centric, logical and secure.

We specialize in software product development, mobile app development and custom application development for startups. With our mature quality processes, agile development approach and unique engagement model we deliver bespoke solutions for all your business needs.

We work as a trusted technology partner to provide end-to-end solutions for all your software development requirements. We don't simply develop solutions, we craft them for your specific business needs using cutting edge technology platforms.

For more information, please visit:

https://www.easternenterprise.com