

Creation of Implopuntos for the Implosa website

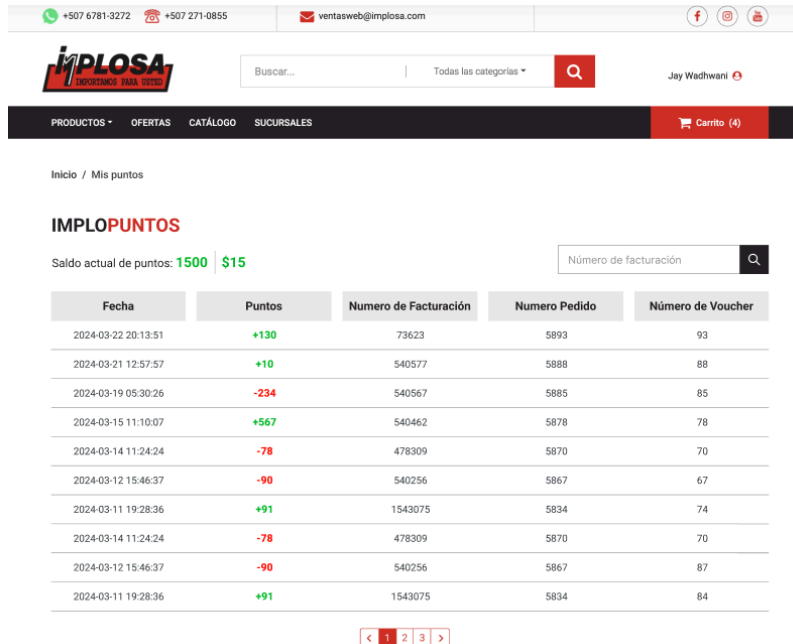
Rootstack developed a new section for the Implosa website.

About Implosa

Implosa is a leader in the construction market in Panama, dedicated to the import and sale of plumbing products, electricity, fire protection systems, water infrastructure, gas, hardware, and more.



Rootstack's Solution



Fecha	Puntos	Numero de Facturación	Numero Pedido	Numero de Voucher
2024-03-22 20:13:51	+130	73623	5893	93
2024-03-21 12:57:57	+10	540577	5888	88
2024-03-19 05:30:26	-234	540567	5885	85
2024-03-15 11:10:07	+567	540462	5878	78
2024-03-14 11:24:24	-78	478309	5870	70
2024-03-12 15:46:37	-90	540256	5867	67
2024-03-11 19:28:36	+91	1543075	5834	74
2024-03-14 11:24:24	-78	478309	5870	70
2024-03-12 15:46:37	-90	540256	5867	87
2024-03-11 19:28:36	+91	1543075	5834	84

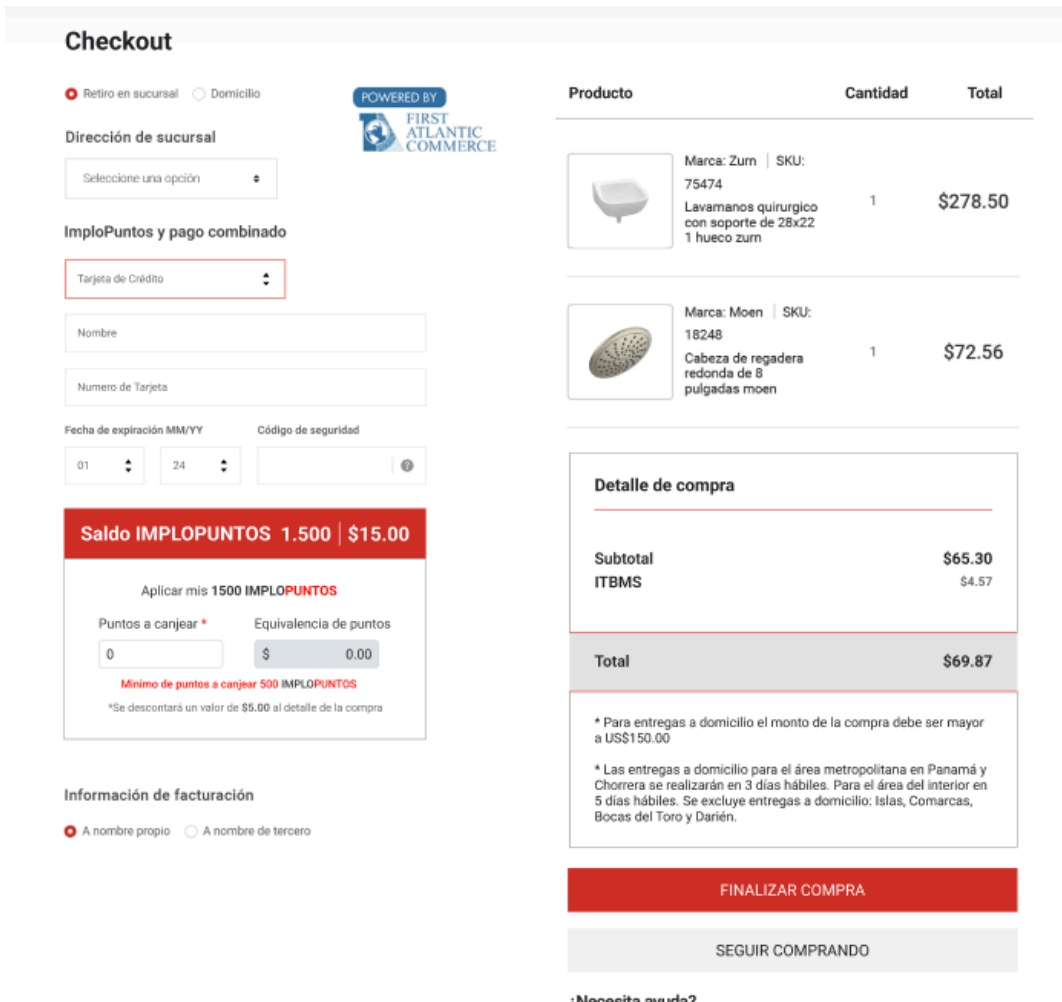
In this phase of the project, the "Implopoints" system was introduced to enhance customer engagement by incentivizing purchases. Customers earn points for every dollar spent, which can be redeemed for various rewards within the platform. The system tracks the accumulation, redemption, and cancellation of points, providing users with detailed insights into their point balances. Additionally, email integration was incorporated to keep customers informed about their points, further strengthening engagement.

The primary objective was to develop a robust point-based rewards system

that integrates seamlessly with the client's existing Oracle ERP. This system needed to accurately track and manage customer points, offering real-time updates on balances, redemptions, and cancellations. Another key goal was to implement email notifications, ensuring effective communication and

enhancing customer interaction with the platform.

The project employed an Agile methodology to facilitate iterative development and adaptability. The chosen technologies included Oracle ERP for database management, Laravel for backend development, and Vue.js for frontend design. Oracle ERP ensured reliable data management, while Laravel's flexible framework supported the complex backend processes required for point validation and tracking. Vue.js was utilized to create an interactive and responsive frontend, improving the overall user experience.



Checkout

Retiro en sucursal Domicilio



Dirección de sucursal
 Seleccione una opción

ImploPuntos y pago combinado
 Tarjeta de Crédito

Nombre
 Numero de Tarjeta
 Fecha de expiración MM/YY Código de seguridad
 01 24

Saldo IMPLOPUNTOS 1.500 | \$15.00
 Aplicar mis 1500 IMPLOPUNTOS
 Puntos a canjear * Equivalencia de puntos
 0 \$ 0.00
 Mínimo de puntos a canjear 500 IMPLOPUNTOS
 *Se descontará un valor de \$5.00 al detalle de la compra

Información de facturación
 A nombre propio A nombre de tercero

Producto	Cantidad	Total
 Marca: Zurn SKU: 75474 Lavamanos quirurgico con soporte de 28x22 1 hueco zum	1	\$278.50
 Marca: Moen SKU: 18248 Cabeza de regadera redonda de 8 pulgadas moen	1	\$72.56

Detalle de compra	
Subtotal	\$65.30
ITBMS	\$4.57
Total	\$69.87

* Para entregas a domicilio el monto de la compra debe ser mayor a US\$150.00
 * Las entregas a domicilio para el área metropolitana en Panamá y Chorrera se realizarán en 3 días hábiles. Para el área del interior en 5 días hábiles. Se excluye entregas a domicilio: Islas, Comarcas, Bocas del Toro y Darién.

FINALIZAR COMPRA
 SEGUIR COMPRANDO

¿Necesita ayuda?

One of the main challenges was managing the complex validation processes required to ensure accurate point calculations. This involved ensuring smooth communication with the Oracle ERP system, which was critical for handling data queries and insertions. Despite the complexity, the team successfully addressed this challenge through careful planning, collaboration, and real-time data validation, ensuring seamless integration.

The Implopoints system brought several benefits to the company, including enhanced customer engagement through a rewarding loyalty program, improved data accuracy through integration with Oracle ERP, and better communication via email notifications. The system's functionalities allowed customers to easily track and redeem their points, fostering greater platform interaction and improving overall customer satisfaction.

This is why they partnered with us to develop an efficient system to automate the entire invoicing process. The result was an intuitive and modernized invoice and payment system that reduced costs drastically.

Technologies

The project leveraged Oracle ERP for its reliable and scalable database management capabilities, enabling efficient data querying and seamless integration with the client's existing systems. Laravel was selected for backend development due to its robust framework, which streamlined complex processes such as point validation, accumulation, and redemption while ensuring secure data handling. For the frontend, Vue.js was employed to create an interactive and responsive user interface, enhancing the overall user experience by providing customers with intuitive tools to track and manage their points. Together, these technologies ensured smooth integration, real-time data accuracy, and a seamless, high-performance experience across both backend and frontend.