

# Fortifying Transactions

How Distillery Enhanced the Payment Processing System for a Global eCommerce Firm.

## The Urgency

A global e-commerce firm needed to manage and evolve its payment processing application to ensure smooth transactions across all its partners. The system had to be robust, secure, and capable of handling integrations with relationships across global telecom and credit card processing partners at stake,

What's more, following a cyber attack, our partner needed to enhance its security measures to prevent future incidents.

## The Distillery Approach

Working as part of an 8-person payments team with 3 backend developers, Distillery's backend development team was tasked with improving and securing the payment processing system. Key steps included:

- **System Management:** Overseeing the growth, evolution, and health of the application that processes payments for all partners.
- **Partner Integration:** Integrating with various partners, each with specific UI and payment processing requirements.
- **Bug and Incident Management:** Maintaining the application, resolving any bugs, and addressing incidents promptly.
- **Promotion and Integration:** Implementing new promotions and integrating additional partners into the system.
- **Security Enhancements:** Designing a solution to prevent repeat cyber attacks by limiting the number of times a user can access certain points in the checkout process.
- **Tech Stack Optimization:** Utilizing Ruby on Rails, MySQL, REST, and other technologies to maintain and enhance the system.

## The Results

Distillery's efforts led to significant improvements in our clients' payment processing system, delivering:

- **Enhanced Security:** Implemented measures to prevent cyber attacks, safeguarding the payment system.
- **Reliable Integrations:** Successfully integrated multiple partners with customized UIs and payment processes.
- **Improved System Health:** Proactively managed the application, ensuring its stability and performance.
- **Efficient Incident Handling:** Promptly addressed bugs and incidents, minimizing downtime and disruptions.
- **Seamless Promotions:** Smoothly introduced new promotions, enhancing partner relationships and customer satisfaction.

### Continuing Partnership

Since joining the payments team in October last year, Distillery continues to play a crucial role in maintaining and improving this global e-commerce firm's payment processing system. Our ongoing collaboration focuses on further securing the system, integrating new partners, and ensuring a seamless and reliable payment experience for all users.