

# Pioneering Capital Market Solutions for a **Leading Global Stock Exchange**

## CASE STUDY



**About Client**  
World's leading  
global stock exchange

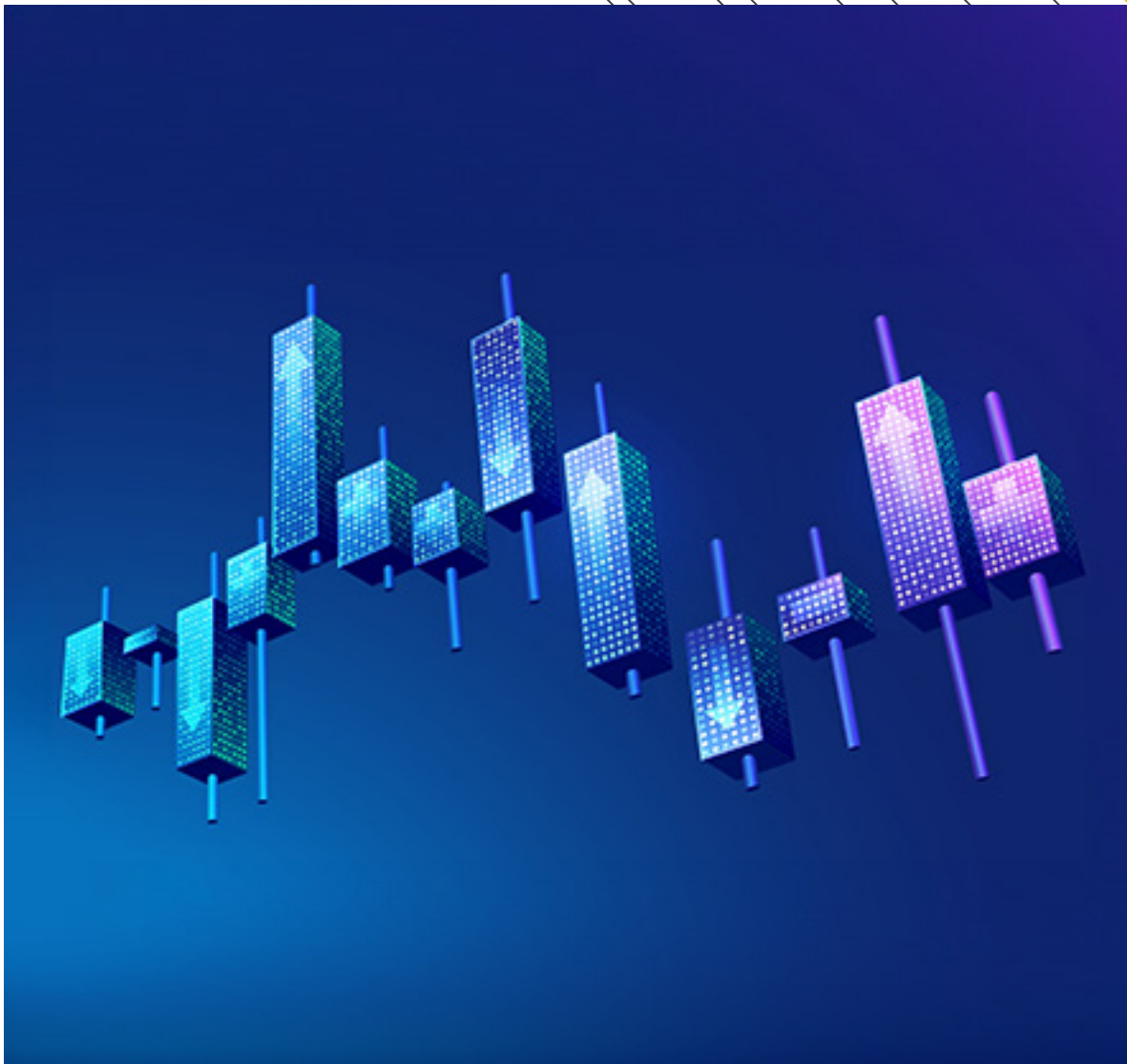


**Industry**  
Capital Market



**Service**  
Application





## Business **Need**

Our client is a leading global stock exchange provider, with several business units. Their marketplace technologies unit has several products that cater to various international stock exchanges and depositories. The evolving landscape demanded advanced technological solutions to optimize operations. Their overarching needs highlighted the necessity for an agile partner to work with

them to implement and customize real-time clearing, automate and modernize investor relations, migrate legacy applications to the cloud, and ensure comprehensive risk reporting and analytics for their end customers. As an additional requirement, they also needed a partner to co-develop their ESG reporting product, which they rolled out to their end customers.

# Business Challenge

Our client grappled with the need to rapidly customize their solution as per their end customer needs. This also involved robust testing under stringent timelines, migration to cloud infrastructure, and integration of complex post-trade systems across many global exchanges.

The challenges included:



Implementing comprehensive performance testing within tight deadlines across varying client environments.



Unavailability of bulk test data for load testing.



Customizing and implementing post-trade products with unique regulatory and technical requirements.



Ensuring seamless integration across various international platforms.



Build an ESG reporting product.



## Business **Solution**

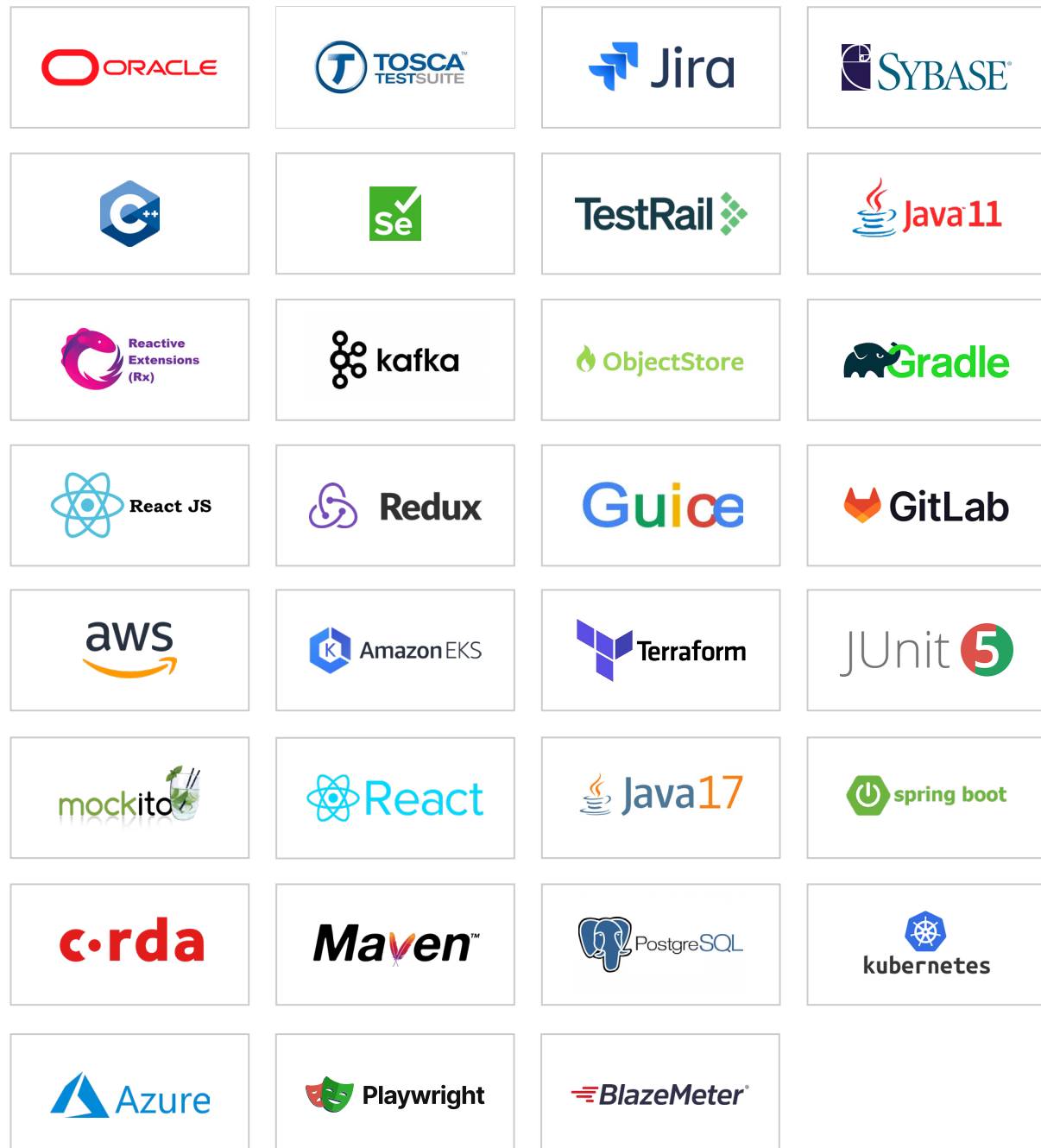
NSEIT enhanced the client end-user requirements, which comprised automating investor relations, streamlining risk reporting with cloud-based analytics, and integrating solutions across global exchanges and depositories. Performance testing of the Dealer Portal and implementation of post-trade products demonstrated NSEIT's multifaceted technical capabilities.

NSEIT solution approach consisted of:

- ▼ Conducting performance and stress tests to identify and rectify bottlenecks within client's dealer portal.
- ▼ Providing a team of skilled business analysts, developers, and automation testers to customize and implement client's post-trade products opportunities.
- ▼ Implementing real-time clearing, automating testing processes, and transitioning to cloud-based platforms for scalable and agile operations.
- ▼ Redesigning and migrating legacy applications to modern, cloud-based infrastructures.
- ▼ Ground-up dashboard development for the client's ESG reporting and compliance product.

# Technology **Stack:**

The platform was built using a robust technology stack comprising –



# Benefits

NSEIT's agility, scalability, and innovation helped the client to achieve the following benefits:



Enhanced operational and cost efficiency and quality output matching client's expectations.

Improved risk management with advanced reporting and analytics.

A future-proof infrastructure with successful cloud migration and legacy system modernization.

Seamless international platform integration, ensuring global reach and interoperability.

Faster time to market for some of the client's flagship products.



# NSEIT's **Role and USP**



By aligning closely with the client's business needs and strategic goals, NSEIT not only helped the client to meet its current requirements but also positioned it for future success in a rapidly evolving capital market sector.



NSEIT's domain expertise in the capital market proved to be a strong catalyst in understanding clients requirements and solution processes.



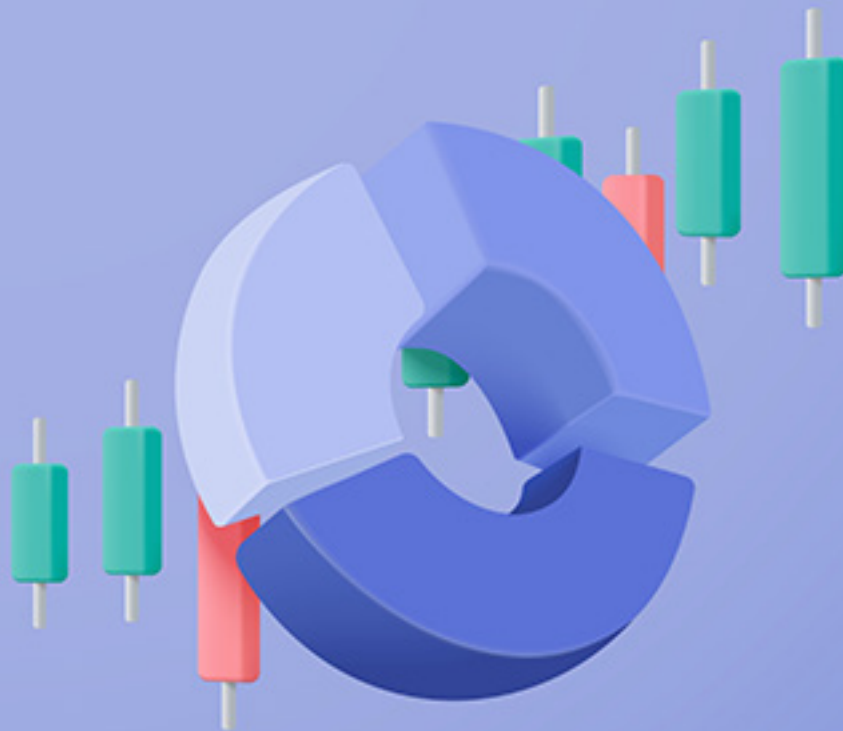
Dedicated offshore delivery center that enabled seamless project delivery and addressed resource and demand fluctuations with increased agility and cost optimization.



Comprehensive internal training for quicker onboarding and alignment with client's development processes.



A collaborative approach with a focus on leadership, governance and ESG.



## Why **NSEIT**?

**NSEIT Limited** is a digital native technology company that engineers world-class solutions to help our global customers accelerate their digital transformation journeys. Our key service pillars are Application Modernization, Business Transformation, Data Analytics, Infrastructure & Cloud Services, and Cybersecurity, through which we create intuitive digital experiences and tangible business impact. For over two decades, our innate drive for excellence has made us the partner of choice for global organizations. At NSEIT, we fuel digital progress.

For more information, visit us at [nseit.com](https://nseit.com)

Follow us at:



© NSEIT Limited. All rights reserved.

All trademarks, logos, and brand names are the property of their respective owners. All company, product, and service names used are for identification purposes only. Use of these names, trademarks and brands does not imply endorsement.