

Modernizing the user experience of **an exchange**

CASE STUDY



About Client

A Southeast Asian nation's first stock exchange



Industry

Capital Markets



Service

Applications



Business **Need**

The client, one of the first stock exchanges in a Southeast Asian nation, wanted build new stock exchange.

Business **Challenge**

Digital transformation is a strategic imperative across industries. The time when traders yelled out orders in the stock exchange is long gone. Today, investors and agents are well informed, and they want to act on this information instantaneously; they want stock trading at their fingertips. Securities and capital markets across the globe must reimagine how their customers interact and transact with them.

In its endeavor to build economic diversity, a Southeast Asian nation introduced its nation's first stock exchange. The client, the stock exchange, wanted to digitize its capital market infrastructure to offer an exceptional user experience to its investors and traders. They

wanted a partner to develop, implement, and maintain a new-age Investor portal and Depository system built on a customizable and scalable infrastructure.

The Investor portal and Depository system must:

- ▼ be customizable and configurable for multiple markets, orders, products, and currencies.
- ▼ capable of handling billing, enquiry, reporting, security, and high transactional capacity
- ▼ provide corporate actions, transfers, blocks, and pledges of securities
- ▼ provide investors' end-to-end information and compute statistics

Business **Solution**

Chosen to develop the Investor and Depository portals for the project, NSEIT's expert team had the challenging task of building a sound and resilient financial infrastructure, with the Securities Exchange as the central component. The client wanted the new portal to be a robust, fool-proof trading platform for brokerage firms and stock exchanges to connect seamlessly via web browser and mobile app. It had to be fully customizable and configurable, flexible and secure, catering to the specific needs of various types of orders and products from different markets.

Working smartly around multiple parameters, NSEIT's team of experts created a highly efficient

Investor and Depository portals that were both scalable and secure. Based on the latest protocols ITCH and FIX, the interface for the Order Management and real-time Market Feed opened up an extremely fast and efficient way for investors to transact a wide range of financial instruments across multiple exchanges. Built using the agile Microservices Architecture, the portal allowed quick and easy addition of new assets and services as the marketplace continued to evolve. With contemporary features like real-time settlement coupled with ultra-high security, the trading platform ensured the customers had one of the most advanced trading systems in the world on par with the latest international standards.

Tech Stack



Business Impact



Unparalleled user experience with multiple trading options and markets

Seamless Integration with Advanced Trading System and Matching Engine



Complete Information of Investor at fingertips for key stakeholders

Complete MIS and depository management plus reports



About **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.

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