

Advancing innovation through

API-fication for fintechs

CASE STUDY



About Client

Leading capital
market player



Industry

Capital Market



Service

Applications

Business Need

A leading capital market player required a future-facing trading platform to engage its customers. In the fast-changing landscape of financial services, it needed to support the development of innovative products by fintechs.

The company needed a secure and controlled sandbox environment for testing new features and functions, without disrupting its financial workflows or damaging data.

Business Challenge

The advent of fintechs has revolutionized financial service delivery models, end-to-end. It has democratized our access to data. Leveraging technology, fintechs are expected to innovate constantly and deliver niche solutions to capital markets. As an integral part of this dynamic ecosystem, the company needed an application programming interface (API) sandbox to accelerate innovations that would:

- Reduce the costs and risks associated with deploying third-party APIs at the testing stage

- Support concurrent testing models to fast-track app development cycles to ultimately reduce time-to-market (TOM)
- Simulate API error scenarios such as errors conditions, slow response times, and instances of non-responses

NSEIT became their technology partner of choice to advance innovations through APIs in their business environment.

Business Solution

We created a customized API management solution to support the delivery of user-friendly and convenient services. Based on a multi-exchange routing architecture fed by real-time data, we did the following:

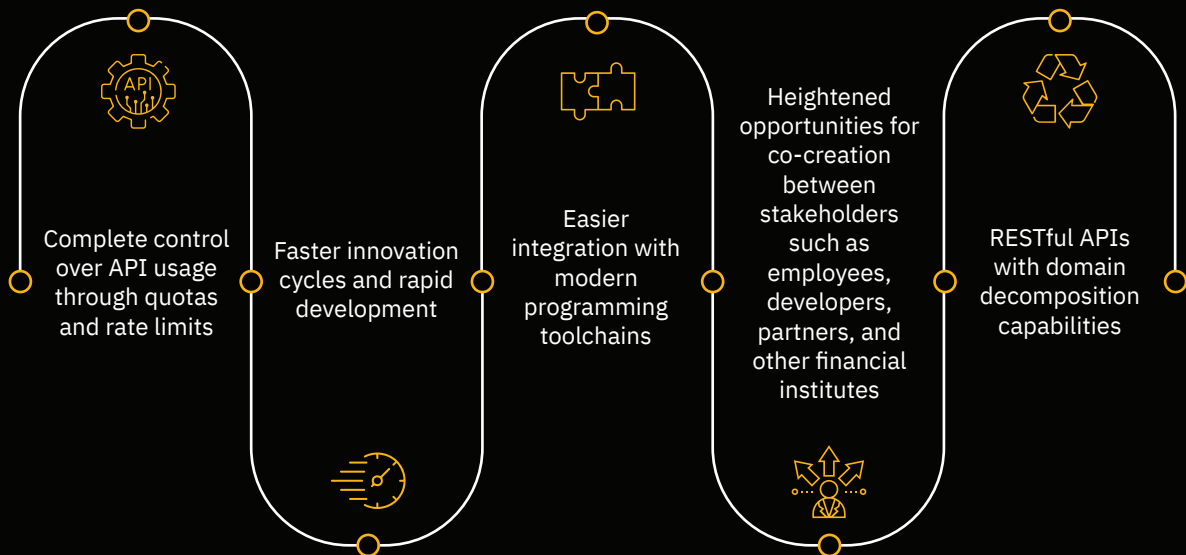
- Imported the existing APIs, authored new ones, and ran mock testing scenarios to design, test, and develop a more customer-centric API architecture
- Took complete ownership of scaling, cache, and performance during the deployment stage
- Controlled the API specifications, handled documentation and samples, supported customization, and established secure authentication and access processes
- Ran analytics on subscriber and API usage data
- Monitored the health metrics by maintaining activity and diagnostic logs, and installed notification systems to trigger reports and alerts in cases of non-conformity

Tech Stack



Business Impact

Once implemented, our technology stack yielded results and digitally transformed our client's trading platform. Designed to be easy to use for fintechs, it was used to develop innovative products for their clients. The platform offered the following benefits:



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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