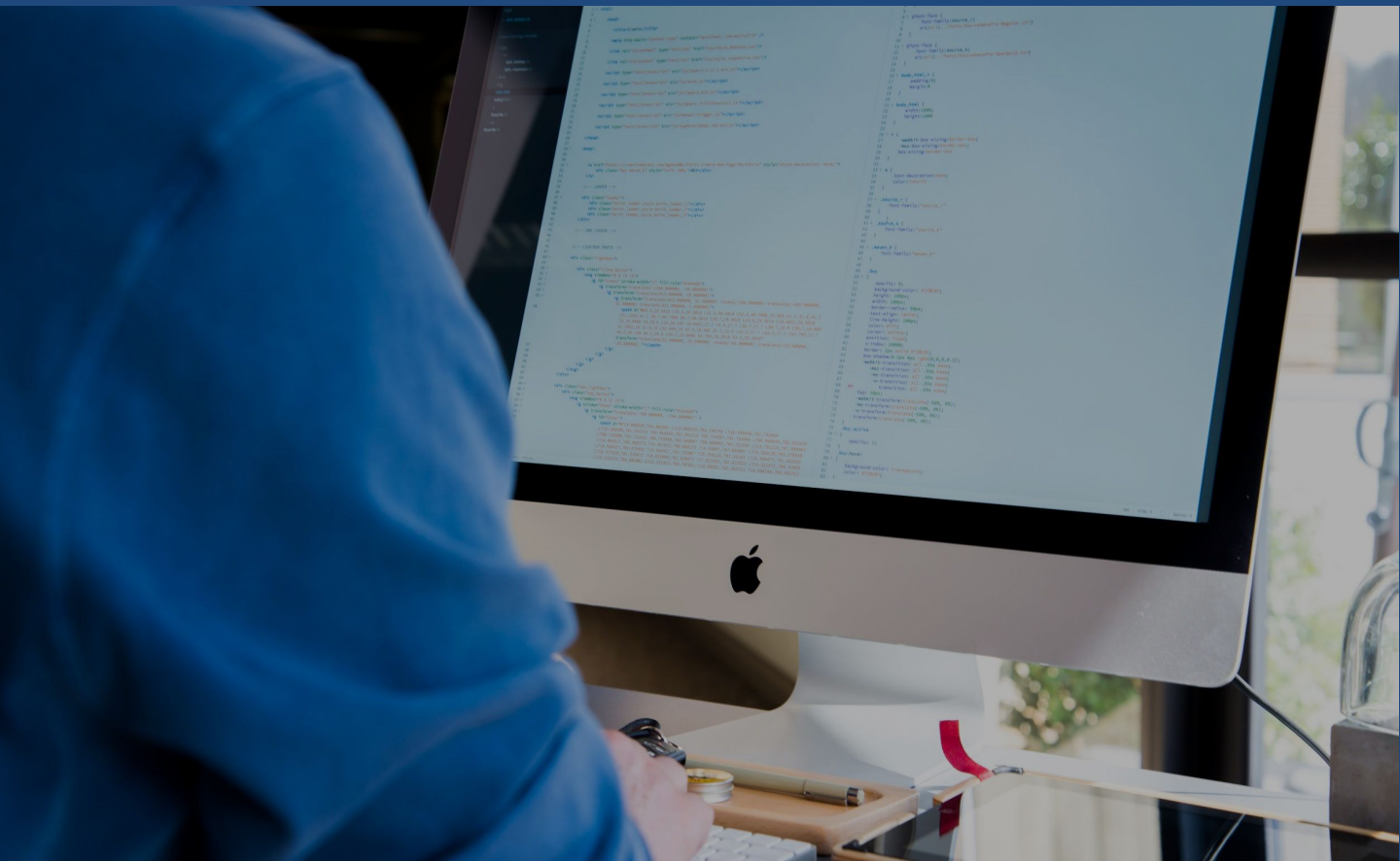




Ensuring Data Integrity for FX Street's Financial Portal

FX Street



Overview

FXStreet is a leading financial news portal specializing in Forex markets, providing real-time exchange rate data, financial charts, and an economic calendar to its users. To enhance the user experience and modernize its infrastructure, FXStreet undertook a full migration of its content platform. This migration involved integrating live data feeds from multiple external providers to ensure up-to-date financial information was available at all times.

However, post-migration, FXStreet faced significant challenges with real-time data updates, which impacted their credibility among users and required urgent intervention. Our team was brought in to implement automated testing solutions to monitor and validate the correct functioning of live data updates across their platform.

Challenges

- ***Failure to Detect Data Issues:*** After the migration, FXStreet's financial data tables—including live forex quotes and key economic event updates—were not updating correctly. This issue went undetected internally for weeks and was first reported by users.
- ***Lack of Monitoring and Automated Checks:*** FXStreet did not have a dedicated monitoring system or preventive automated tests in place to detect these data discrepancies proactively.
- ***Widespread Data Inconsistencies:*** The issue was not isolated to specific sections but affected the entire portal. Financial data for various assets and market events were displayed in multiple locations, all of which experienced irregular updates.

Solutions Implemented

To address these challenges, we deployed an automated testing infrastructure designed to validate the accuracy and timeliness of FXStreet's live data feeds. The key aspects of our solution included:

- ***Automated Data Verification:*** The tests not only verified the availability of data but also ensured that the values were actively updating, indicating a properly functioning data feed.
- ***Proprietary Test Framework:*** We utilized a robust automation framework, originally developed for a previous project with Garbarino, and customized it to meet FXStreet's specific needs.
- ***Cloud-Based Execution and Scheduling:*** A cloud-based server was configured to execute the automated tests twice daily, ensuring continuous validation of data updates without manual intervention.

Results

The implementation of our automated testing solution yielded significant benefits:

- ***Early Detection of Data Issues:*** FXStreet was able to proactively identify and resolve data update failures before users reported them, significantly improving their reliability.
- ***Enhanced Collaboration with Data Providers:*** The tests allowed FXStreet to detect inconsistencies not only in their portal but also in the data provided by external sources. As a result, they could inform their data providers of issues, sometimes before the providers themselves were aware.
- ***Stabilization of the Platform:*** Over the course of eight months, the automated tests helped FXStreet stabilize its financial portal, preventing critical errors from reaching production and improving overall platform performance.
- ***Strengthened Brand Reputation:*** By ensuring data accuracy and reliability, FXStreet reinforced its credibility among users, maintaining its reputation as a trusted source of financial information.



Conclusion

The collaboration with FXStreet demonstrated the value of automated testing in financial data platforms. Our tailored solution provided an effective stopgap measure, allowing FXStreet to regain control over its data integrity while stabilizing its newly migrated portal. Once the immediate crisis was resolved, FXStreet transitioned to an in-house solution, leveraging the insights gained from our implementation to further enhance their monitoring capabilities.

This case highlights the importance of proactive testing and monitoring in preventing data inconsistencies, ensuring seamless user experiences, and maintaining trust in financial news services.

Thanks!



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