

Automation Testing for a Leading Online Betting and Gaming Company



The Customer

Our Client is the world's leading online gambling & betting group with over fourteen million customers in two hundred countries. The Group employs over 2,100 people being the largest private employer providing Sports Betting, Financials, Casino, Poker, Games and Bingo.

The Challenges

Being an industry leader with very large customer base and sports events happening across the globe, our client is committed for frequent releases (24x7) almost every day to address their customer support issues and keep up the pace of sport events happening live.

Before Aspire was chosen as their preferred partner, our customer performed only manual testing, which did not prove very efficient. Automation testing was a necessity to ensure test coverage for product releases; however timeline was a big bottleneck as live releases were done every day.

Business Challenges

- Being a hosted solution , quicker releases (every day) for a live market were inevitable
- Compliance standards were high
- The existing website was not a responsive one and it was not user friendly since the website was not compatible

Technical Challenges

- Identifying right automation tools, framework & solution for various technology was in need
- Automating flash site was a big challenge
- Since majority of the existing data was dynamic excluding the login credentials; from a technical point of view it was

with multiple platforms (Android, Windows and IOS) and devices

- Huge effort was needed for validating their website under different platforms as the functional changes were enormous
- Aging UI – UI modernization drive was continuously on
- Internal drive & attempts for automation were failures

practically difficult to populate the same data again for automation needs

- The permutations and combinations were huge in number, therefore it was extremely difficult to validate manually
- The website had to provide multi-lingual support for its wide spread customer base across countries
- To ensure test coverage even through test automation, the timelines to complete the test execution were quite challenging due to frequent live releases
- Targeting test environments was challenging when mobility was concerned

The Solution

- Aspire kick started the project by doing a Proof of Concept to identify a suitable tool for the customer. We provided solutions for handling dynamic data and deployed a team with 50-50 onsite & offshore model.
- Aspire started with mobile site automation for different mobile devices and scaled up the solution to tablet and desktop sites
- Aspire took whole ownership of test automation - strategy, framework set, script development/maintenance, continuous integration, execution environment and delivery
- Aspire involved all stakeholders and there was good communication with the existing client team
- Deployed an automation architect to take forward automation to the next level
- Brought-in continuous integration for 24X7 releases
- Aspire came up with a cost effective solution with open source tools

The Highlights

Earlier the client's desktop version of the web product was based on flash. It was a huge challenge to automate flash based product and not many service providers had been able to accomplish it successfully. Aspire broke the jinx by automating it completely and came up with a unique solution for flash automation (Genie).

- Highly cost effective solution with open source tools
- Automation environment setup, continuous integration & framework design for quick turn around on automation execution
- Single framework for Web, Mobile & tablet sites
- Multi language support

Best Practices

- Continuous integration
- Highly maintainable & configurable automation scripts
- Ensured that all test cases and test cycles involved in manual testing was covered

Technology

C#, VB .Net, Flash, Ajax,
Java Script, SQL Server

Tools

Jira, SharePoint

The Result

- Increased confidence on release to market due to high quality releases and greater test coverage
- Automation testing reduced a lot of effort and time spent by the manual testing team
- Effective deployment of team to ensure if changes are fine for releases
- Reduced need for multilingual QA skillset
- Increased customer satisfaction
- Better cost of quality and higher ROI
- Same level of compliance on all the supported environments as well as languages

After partnering with Aspire, the client benefited from

- Confident QA sign-offs
- Quicker Go/No-Go decisions
- Easier handling on last minute live glitches/roll backs
- Reduced burden on manual QA team
- Complementing and quick turnaround scripts

- Crashed regression cycles by **90%**
- Reduced roll backs by **95%**
- Reduced test leakage to **1%**

The future impact

- Better time to market
- Retaining the leadership in market
- Better QA investments



Aspire Systems is a global technology services firm serving as a trusted technology partner for its customers. The company works with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in Aspire's specific areas of expertise. Aspire System's services include Product Engineering, Enterprise Solutions, Independent Testing Services, Oracle Application Services and IT Infrastructure & Application Support-Services. The company currently has over 1,400 employees and over 100 customers globally. The company has a growing presence in the US, UK, India, Middle East and Europe. For the fourth time in a row, Aspire has been selected as one of India's 'Best Companies to Work For' by the Great Place to Work® Institute, in partnership with The Economic Times.

NORTH AMERICA | UK | BENELUX | NORDIC | MIDDLE EAST | INDIA
+91 - 044 - 67404000, +1- 630- 368 - 0970, +44 - 203 170 6115

For more info contact
info@aspire.com or visit www.aspiresys.com

