



UI Modernization Helps Global Leader in Digital Forensics Improve Application Performance by 40%





Challenges:

- *Legacy systems hindered performance*
- *Unimpressive UI/UX*
- *Struggling to meet End-User Expectations*
- *Architectural and functional complexities*
- *Modernization had to be done in 6 months*

Solution:

- *We developed a unified web application with modernized UI/UX and developed a minimum viable product (MVP) within 3 months' time*

About the Customer

Our customer is a global leader in Digital Forensics Software for law enforcement and government agencies around the world. They provide both stand-alone and enterprise-class solutions and support litigations, investigations (both criminal and civil), compliance, legal reviews etc. With over 130,000 customers, they strive to create solutions that help users to achieve accuracy in results and gain better insights with superior connectivity.



The Need

The customer's legacy application possessed highly sophisticated features but had an unimpressive user interface that did not meet the latest UX standards. They were struggling to meet end-user expectations in the market and were desperate to completely revamp the user interface and branding across their product site.

The legacy application had evolved for over three years and this had resulted in unwanted complexities in architecture and functionalities. Therefore building a brand-new application within the estimated 6 months without any regressions seemed a challenging task.



Results:

- *40% increase in application performance*
- *Simplified workflow*
- *40% reduction in developmental efforts*
- *Reduced time-to-market from 6 to 3 months*

Aspire's Solution

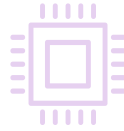
Aspire's group of experts analyzed the client's situation and came to the conclusion that the workflows had to be simplified for the end-user to get unified experience. We also realized that apart from the UI modernization, the client wanted to add other new features based on the latest market research and expectations. We developed, launched, and distributed a minimum viable product (MVP) to the client's end users within 3 months. This application's end-user experience turned out to be much better than the legacy application. We implemented component based approach to improve the reusability of components and unlike the legacy system, the third party plugins have been limited based on the requirement.

Solution in Detail

- Redeveloped Legacy Silverlight application screen and AngularJs screens in Angular 9 framework
- Adapted and implemented component-based approach to enable reusability across the application as much as possible
- Our UI/UX team collaborated with the customer product team to develop new user experience designs to make it more users friendly
- Developed a unified web application from scratch on more recent versions of .Net and Angular stack



Technology Snapshot



- » Microsoft Technologies
- » C#, .Net 4.6.2, Telerik Kendo Controls, Angular 9
- » SQL Server 2015
- » Agile Project Management using JIRA

Benefits

- Increase in application performance by 40% compared to legacy system
- Simplified workflow and easy navigation throughout the website
- Reduced the time-to-market from 6 months to 3 months
- Reduced development efforts by 40%



Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

For more info contact: info@aspresys.com or visit www.aspiresys.com

USA

+1 630 368 0970

SINGAPORE

+65 3163 3050

INDIA

+91 44 6740 4000

BELGIUM

+32 3 204 1942

NETHERLANDS

+31 (0)30 800 92 16

POLAND

+48 58 732 77 71

MEXICO

+52 222 980 0115