

CASE STUDY

Next-generation Online Community Software

for a Web Infrastructure Provider

A provider of Web infrastructure software wanted to develop the next generation of its product. The company, whose software enables business users to build and maintain productive virtual working communities, had developed a functional prototype. It needed its next release to have greater scalability, greater flexibility, and expanded functionality.

Working collaboratively with the client team, Trigent teams in the U.S. and offshore, defined the detailed requirements for the system. In the design phase, Trigent created a complete functional software specification, prepared wireframes demonstrating system navigation, and completed the page designs for the front-end application. A Business Object Model and a Database Design Model were created, serving as high-level blueprints for the technical and database design of the individual application modules.

Trigent provided complete Web development and integration for the online community applications, employing a J2EE Java application development framework to improve the productivity of the development team and making the end product more maintainable and extensible. Technologies used in development included BEA Web Logic application server, JAVA, JAVA Bean, and Applet/Servlet.

Trigent integrated a range of applications into the product, including instant messaging, chat, search, calendar, and charting. It mapped the complex movement of content and data between the various system applications, including member information, security and access control data, configuration data, activity data, content metadata, subscription information, data associated with tools such as calendar information and emails, and archived information.

The system was delivered in three iterations from the development environment to the staging environment, in order to provide the maximum level of front-to-back-end functionality with each iteration. System testing was performed on each module group as it was delivered, with Trigent logging, tracking and resolving any errors as the system moved to a beta production environment.

Trigent teams in the U.S. and offshore development centers worked collaboratively with the client, employing a J2EE Java application development framework to improve the productivity of the development team and make the end product more maintainable and extensible.

About Trigent

Trigent provides software development and support services to enterprises, independent software providers (ISVs), and online businesses worldwide. Our multiple-engagement model empowers our customers to overcome the limits of technology, time, and resources, in order to meet their business goals and objectives. Since 1995, Trigent's proven lifecycle services have enabled our clients to achieve the greatest possible return on their offshore outsourcing investment. Trigent's U.S. and offshore development centers deliver not only technology expertise and excellence in project management, but also a total commitment to quality. Trigent's India Development Center is ISO 9001 certified and one of only 125 software development organizations worldwide to achieve a SEI CMM Level 4 rating.