



FOOD SUPPLY CHAIN SOFTWARE CASE STUDY

CLIENT OVERVIEW

Our client is a leading global provider of SaaS (Software as a Service) technology solution for the food service industry and institutional supply chains. Based upon vast industry expertise, our client has been providing end-to-end solutions catering to each component of the supply chain and purchasing process in the food industry. Our client's collaborative solutions allow enterprises to address fundamental industry challenges such as global data synchronization, product information management, transaction management and analytics with configurable and user friendly web-based solutions. These solutions have enabled distributors, manufacturers, operators and retailers of all sizes to reduce supply chain costs, improve compliance and strengthen trading partner relationships. Our client solutions have been implemented by more than 25,000 operators including independent and chain restaurants, retailers, schools, and healthcare facilities enabling industry brands worldwide to streamline their supply chain operations.

KEY REQUIREMENTS

- Enabling rapid delivery of high-quality software, and a business approach to align development with evolving customer needs
- Developing components which could be used as plug-ins to the existing web based system
- Reducing licensing overheads of the product portfolio of the acquired companies
- Designing and developing reporting module to display inventory and shipment data to end users
- Establishing communication of business documents between client applications and supplier systems
- Providing real time seamless interface with partner systems
- Redesigning the existing legacy authentication mechanism to meet industry security standards

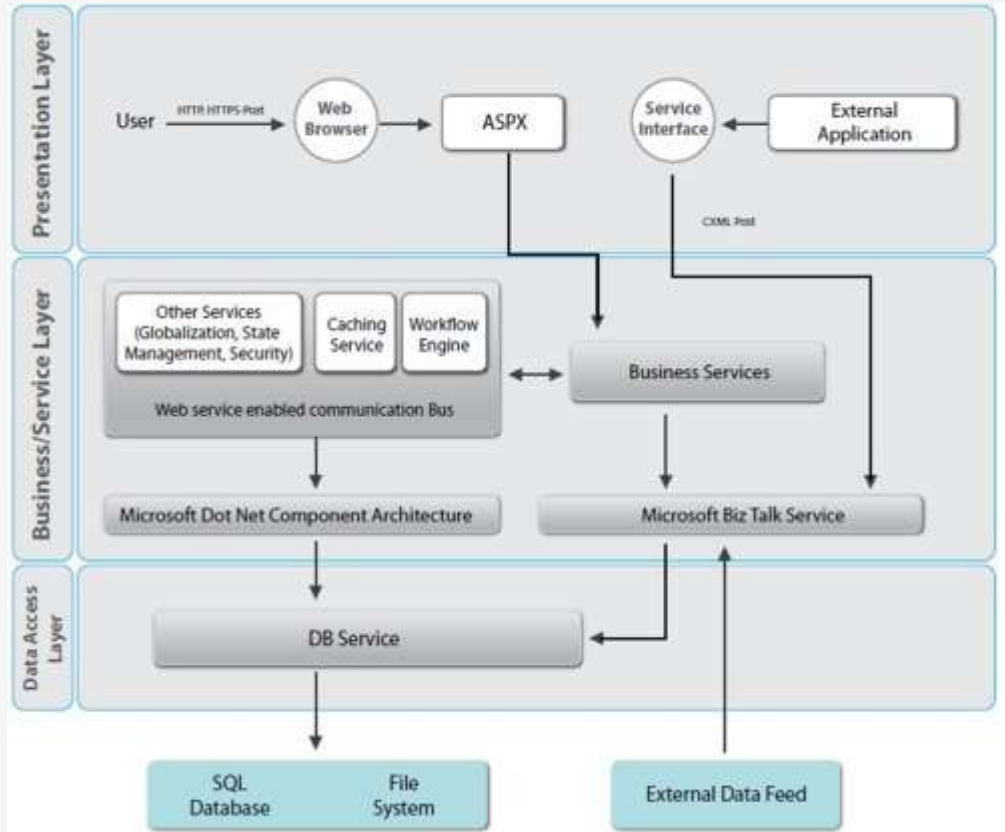
KEY CONTRIBUTIONS

- Adopted Agile engineering best practices like unit test automation, continuous integration and automated builds resulting in improved productivity
- Followed distributed Scrum with daily meetings & weekly Scrum of Scrums which helped in earlier identification of issues and improved quality of the deliverables
- Trained backup resources using pair programming which radically improved the flexibility in resource ramp up/ramp down during peak business demands
- Implemented framework which supported modular component design to ensure ease of development and product scalability
- Created customized script in Java to migrate existing licensed Weblogic based system to open source JBoss platform
- Created XML based customized reporting functionality which interfaces with shipment/ tracking/inventory OLAP cubes to obtain data and display as a web report
- Implemented Commerce XML (cXML) PunchOut protocol to facilitate transfer of business documents between disparate systems internet
- Implemented shared key based Single Sign-on (SSO) to provide real time seamless interface with partner systems
- Designed 3DES symmetric key encryption based authentication system for enhanced security and data encryption

KEY BENEFITS

- Enabled client engineering team to focus on new product innovation by offloading product development and other non-core activities like technical support, testing, maintenance and professional services to Xoriant team
- Achieved 24x5 product development and 24x7 functional and technical support by operating two teams in different time zones from India. Increased product acceptability by incorporating highly differentiated product features and customer facing capabilities. Attained time to market goals and cost advantage due to offshore model of project execution. Reduced running cost by at least 40% by migrating a line of products from licensed to open source software
- Improved marketability of products by providing higher level of product customization to its customers in short period of time. Enabled the client achieve a leadership position in the SCM software segment by incorporating end-to-end supply chain functionalities within their SaaS solution

HIGH LEVEL ARCHITECTURE



TECHNOLOGY STACK

- .Net Framework
- C#.Net / VB.Net
- AJAX
- SQL Server 2000
- XML / CXML
- Biztalk Server
- Java/J2EE
- Jboss/Weblogic
- Delphi
- QTP, Cruise Control, Perforce
- ScrumWorks



About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.