



## CASE STUDY

### BLUE CROSS BLUE SHIELD

lyka was hired as a sub-contractor by a software consortium for the largest Blue Cross Blue Shield (BCBS) plan in the Mid-Atlantic region to lead the technical solution integration and development of the Blue Exchange Network project organized in 10 delivery release phases.

This project was to integrate, develop and enhance the features and capability of the Blue Exchange network and online websites along with business system that handles information inquiries and responses between the local BCBS Plan, the Blue Cross and Blue Shield Association (BCBSA) and other BCBSA member Plans. The Blue Exchange architecture was developed and implemented as a service oriented architecture, with most of the services supporting business-to-business transactions.

BCBSA's Policy requires that all Blue Cross Blue Shield plans participate in the global certification program. Current eligibility inter-plan programs policies require that home licensees respond to providers' host plans' eligibility inquiries through the Blue Exchange network with information such as eligibility, co-payments, co-insurance, and static deductibles. The COBOL- based backend systems were interfaced to the integration engines built on the frontend.

lyka played an integral role in the enhancements necessary to have these new integration requirements implemented. This complex system that Blue Exchange Iteration 4 (BXI4) tools planned to support included deductible, benefit accumulators information and provider taxonomy within the backend COBOL systems.

Additionally, federal mandates (HIPAA) requires utilization of standard inquiry transactions used to exchange inquiries where trading partners wish to exchange these transactions. BCBSA member plans must comply with these newly enhanced integration requirements in order to become certified and keep up with industry expectations.

The BXI4 project leveraged our team's expertise to architect, design and develop these new features. lyka consultants fulfilled the technical lead and senior developer roles on the project, and assumed responsibilities including the following:

- Led the architectural design and integration planning of this 6-year initiative
- Designed, coded, debugged, unit tested, and documented the core system changes as well as the business web services that reconciled local and out-of-area member enrollment and eligibility to be used by multiple mission critical, customer service applications for a healthcare insurance company.
- Designed and coded a DB2 data dictionary database system for business web services to use for populating object model descriptions and mapping data elements to other data elements.
- Designed, coded, debugged, unit tested, and documented an e-business application for business to update data dictionary elements and mappings using JAVA.
- Designed a DB2 preference database for use in the customer service web application for assigning favorites.
- Led conversion of legacy systems into JAVA components.
- Led JAVA and legacy developers in their assignments.

JAVA Tools and technologies that were incorporated and planned into the technical design included:

- WebSphere and z/OS Mainframe client platforms
- COBOL, CICS, DB2
- IBM/Rational Application Developer and ClearQuest
- JAVA Web Service Technology
- J2EE, Spring/Hibernate, JSP, JavaScript
- CVS
- XML Spy
- JAXB XML Binding

### ABOUT IYKA

Headquartered in Greater Chicago, Iyka is a multiple national and international award winning strategic data management company. Iyka brings innovative products, Applications Development, and IT staff augmentation services that simplify technology and technology processes to serve commercial, educational, and government clients.

Iyka Enterprises, Inc. (Iyka) is an MBE / WBE / DBE / BEP / WOSB / 8(a) certified business that has served over 100 global public sector and private sector clients since 2000. Iyka holds multiple SLED, Fed, and Commercial professional IT services Master Contracts, IDIQ contracts, and GWACs.

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