



CASE STUDY

EDUCATION

lyka was contracted by a national online education company to employ a team of project managers, technology architects, developers, and subject matter experts to create a learning environment. This system was built to integrate backend systems with online interaction to support highly scalable collaborative e-learning solutions for both K-12 and higher education programs. This system is capable of supporting thousands of students and teachers with almost instantaneous collaboration response time.

During the initial four months, our project management team worked with stakeholders to define and validate system requirements for replacing and enhancing the current administrative and learning environments. Our architects collaborated with the team to design and develop both the client-side as well as the collaboration server (public facing) and worked in conjunction with the client team from: system requirements through development, integration, testing, production release, and support. lyka also architected and led the integration of a VOIP vendor product seamlessly built into the solution.

The solution was constructed with customer's ease of use and development maintenance in mind and also provides numerous support and troubleshooting utilities. lyka also designed and developed an automated configurable performance testing harness tool that could run on multiple platforms to help identify production platform issues with the lowest cost and highest performance at the forefront.

THE LYKA SOLUTION INCLUDED

- A solid and experienced project management team with strong subject matter expertise in education systems.
- The JET (Just Enough Technology) – whereby the appropriate technologies were chosen with the customer's needs in mind.
- The latest in Java-based and Microsoft technologies integrated with COTS and VOIP technologies
- A dynamic, interactive, collaborative, configuration-driven client graphical GUI
- A highly-scalable collaboration server which could process more than 1000 message per second for thousands of simultaneous users

IN CREATING THE ADMINISTRATIVE AND E-LEARNING SOLUTION, THE FOLLOWING BENEFITS WERE IMMEDIATELY REALIZED

- Established the client as the leader in e-Learning systems
- Requirements to initial release accomplished in 4 months allowing quick revenue generation
- Higher margins due to low production costs
- The bottom line is that through the JET principle, the solution was delivered on time, within budget and with the features requested

With lyka's extensive experience with software-as-a-service (SAAS) architecture and the business model of the Learning Systems through our ongoing relationship with the client, we were able to partner with this client to further architect, design, and develop other core systems including:

- The Learning Environment
- The Curriculum Server Software
- Enterprise Learning Management System (ELMS)
- eSAAS
- And others

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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CONTACT



Poonam Gupta-Krishnan
President & CEO



poonam@iyka.com



www.iyka.com



(630) 372-3900 x 105