

L D Ness Inc. Contractor Experience

L D Ness Inc. is a woman-owned small business located in Herndon, Virginia with software development experience in the following areas:

- **Web-based software.** We have created websites for commercial and government clients with significant server- and client-side processing, employing the following technologies: ASP, ASP.NET, Javascript, PHP, Transact-SQL (MS SQL Server), and AJAX.
- **Online Testing and Survey Processing.** We have built testing and survey systems for the TSA, IRS, US Customs and Border Patrol, and others. These systems include tools to construct surveys, enhance them with processing rules, administer them, and analyze results using item analysis, correlation, tabulation, group comparison, ad-hoc, and text analysis reports, as well as application-specific reporting features.
- **Web-enabled desktop applications.** These are applications that operate independently of the Internet in normal operation, but which interact with websites for bidirectional data transfer when requested. We created several applications to administer knowledge and image tests to all TSA airport screeners, and to collect and forward evaluation and observation data for screener recertification. We have also included web-based online update and synchronization features in commercial software we developed.
- **Mobile computing.** We have created software using Palm™, Windows Mobile™, and tablet PC (Windows) platforms for data collection and analysis. These include applications for law enforcement training, inventories, airport screener observation and evaluation, and class attendance.
- **Optical Mark Reading.** Since 1983, we have developed software that supports Scantron™ optical mark readers for a wide range of testing, survey, and inventory applications. Our more recent applications include web-based scanning, in which scanned data is transferred directly from paper to web forms.
- **Geographic Information Systems.** We have developed applications that use US Census TIGER files to display maps and facilitate map-based area selection for competitive performance analysis. Clients include the TSA and financial institutions. We have developed in-house software that combines Census data with Google Maps™.
- **Cross-platform data exchange.** L D Ness Inc. has created numerous applications to exchange data with internal and external systems using web services, standards-based XML, and a variety of legacy formats.
- **Conference management software.** We have developed several systems for management of large national and state competitions, including registration (online and local), scheduling, scoring, and reporting components.

Some of our major clients include:

- **Transportation Security Administration (TSA).** We have created and supported software for testing, recertification, and training assessment for all 50,000 airport screeners nationwide since 2003.

- **Internal Revenue Service.** We created level 1 (course reaction), level 2 (training effectiveness), and level 3 (job performance enhancement) training assessment systems, which have been in continuous use since 1997, and which have processed more than 1.8 million course surveys.
- **US Customs and Border Patrol.** We created level 1 and 3 training assessment systems, as well as statistical and cross-level analysis software for training provided to CBP employees since 2002.
- **Over 400 financial institutions** currently use Peer-to-Peer™, a Windows™-based application published by Callahan and Associates for analysis and comparison of credit union performance. We developed Peer-to-Peer in 1993.

Specific languages and technologies we employ are:

- C/C++ on Windows and Palm platforms.
- C# (.NET) on web (.NET) and Windows Mobile platforms.
- Visual BASIC for web and desktop systems.
- AJAX and Javascript for dynamic, data-driven web forms, navigation.
- Web services with SOAP for data exchange.
- PHP
- VML and SGML for dynamic graphical presentation of data.
- Transact-SQL (Microsoft SQL Server) to shift substantial business logic to database servers.