



SYSTEM & APPLICATION DEVELOPMENT SERVICES

Technology for Innovators

Agencies often face challenges with developing or maintaining mission critical applications and systems, some of which may be outdated technologies that may no longer be compatible with newer hardware, software, and security protocols. These systems can be difficult to support and update and may lack the flexibility and functionality needed to support modern business processes. In addition, new legislation can often drive the need for agencies to create new IT systems. To address these challenges, federal agencies often rely on IT companies to provide system and application development services. Engaging IT professionals can help develop software solutions that are tailored to the specific needs of the agency. This can include migrating data to new systems, developing new applications to support changing business processes, and implementing new security protocols to protect sensitive information.



JSL System & Application Development Solutions

Jazz Solutions, Inc. (JSL) specializes in providing system development, application development, and backend infrastructure. At JSL, we understand that these areas are essential for the efficiency of government agencies, and we are committed to delivering the best solutions to meet these needs. Our range of services includes developing new applications/systems that provide tailored solutions, system modernization which involves upgrading legacy products and systems to newer and more efficient technologies, as well as operation and maintenance services that ensure systems run securely and efficiently.

By partnering with JSL for system and application development services, our customers enjoy numerous distinct benefits.

- JSL's services enable agencies to get **IT solutions that meet their future-facing mission objectives**. This helps agencies to be more efficient, as the applications are tailored to their specific needs.
- Our backend infrastructure services provide a **secure, reliable, and scalable infrastructure** that can handle the growing needs of government agencies.
- JSL's modernization services ensure that systems **address technical debt, improve efficiency, and improve the end-user experience**.
- Our operation and maintenance services ensure that systems run smoothly, **reducing the risk of failures and downtime**.

Solution Offerings

JSL offers a variety of services to build new systems and modernize existing systems. Our team provides services to implement and maintain government agencies' administrative and mission-critical systems, applications, and backend infrastructure. **By partnering with JSL, agencies will realize the benefits of modern technologies, tailored solutions, and a secure, reliable, and scalable infrastructure.**



API Dev & System Integration

Back-end System Development

Cloud Infrastructure

Custom Software Dev

Database Design, Dev, & Mgmt.

Enterprise Application Dev

Front-end & User Interface Dev

Mobile Applications

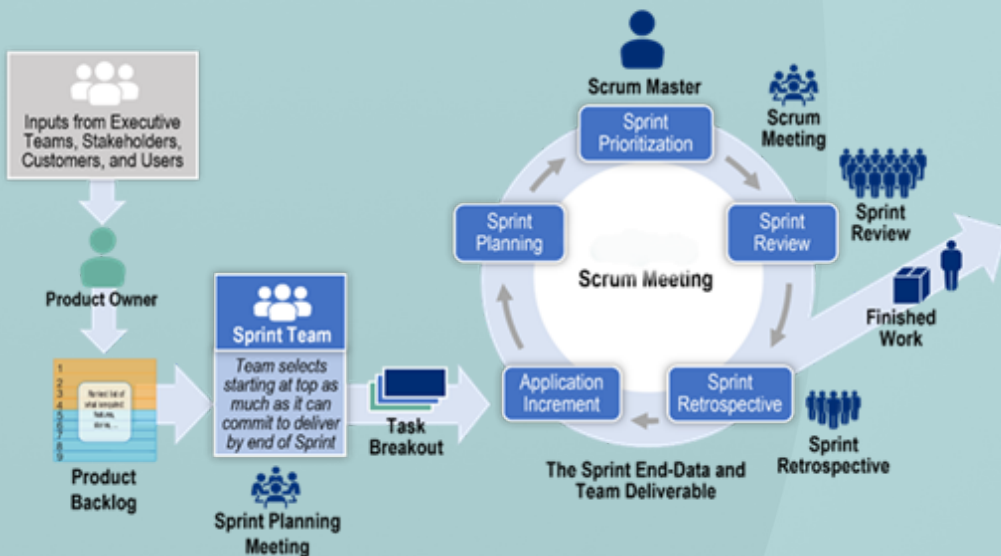
System Migration & Modernization

System Security

UI/UX Design

Web Applications

The Agile – Scrum Framework



JSL's Agile development process gives system stakeholders access to incrementally developed software early and often. This approach emphasizes collaboration, hands-on demonstrations of functionality, and usable software at the end of each cycle.

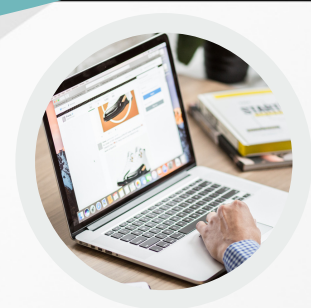
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Federal Student Aid
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JSL Delivers - Customer Stories



U.S. Department of Labor, Employee Retirement Income Security Act (ERISA) Filing Acceptance System II (EFAST2)

Jazz Solutions, Inc. (JSL) is a subcontractor to General Dynamics Information Technology, a leading system integrator on the EFAST2 contract. The EFAST2 system provides a 100% web-based system to support the critical business process of filing, processing, and making available the ERISA filings. The **1.1 million** ERISA filings submitted annually allow the DOL's Employee Benefits Security Administration, Internal Revenue Service, and Pension Benefit Guaranty Corporation to exercise the oversight necessary to protect the pension and benefit plans that cover 150 million eligible employees and their dependents, and report on assets of approximately \$6 trillion. The EFAST2 system provides an electronic filing platform to accept ERISA filings, a web-based software solution to produce and submit ERISA filings, a reporting and disclosure platform, and a Customer Relationship Management (CRM) platform. **When EFAST2 went live, we transitioned a 100% paper filing process into a 100% electronic filing process.**

JSL provides development and O&M services for the EFAST2 environment, including infrastructure (in FedRAMP AWS Cloud), operating systems, COTS products, and custom code. The EFAST2 system leverages a combination of containerized Docker components deployed to Amazon Elastic Container Service (ECS), serverless Lambda components, a number of other cloud-native AWS services, and IBM middleware products. We also leverage Salesforce as an integrated CRM platform and New Relic for Application Performance Monitoring (APM). **JSL provides architecture, design, development, and maintenance services for all those components.**

JSL provides support for **application integration** between components of the EFAST2 system, as well as for the customer and partner agencies. This includes IBM Integration Bus, DataPower, AWS API Gateway, and AWS Elastic Load Balancers. In addition, **JSL provides 24x7 operations and production support for the entire environment**, including the EFAST system itself, as well as the products and tools related to delivery of the contract.

Federal Student Aid (FSA) Federal Taxpayer Information Module Services

As a result of the passage and signing of the Fostering Undergraduate Talent by Unlocking Resources for Education (FUTURE) Act, FSA gained access to Federal Tax Information (FTI) from the Internal Revenue Service (IRS). The handling and processing of FTI data requires the implementation of special security controls outlined in IRS Publication 1075. In order to minimize the impact of those security controls, FSA and JSL reached a strategic business and technical decision to reduce the footprint of FTI data by centralizing all FTI (and all system and user interactions involving FTI) within a small, targeted set of FSA systems. To implement this solution, FSA needed to build a solution that includes multiple subsystems that could be implemented in a new FTI infrastructure. Any FSA systems that currently receive, use, store, or transmit taxpayer data would need to implement changes to their impacted business processes to interact with the new FTI module solution. **Using an Agile approach to the entire system lifecycle, JSL is delivering a modern solution that implements and integrates dozens of technologies, platforms, and development tools.** The FTI Module operates in an AWS GovCloud environment, using serverless computing, Docker containers, and Linux-based EC2 instances.



About JSL

Founded in 2013, **Jazz Solutions, Inc. (JSL)** is an economically-disadvantaged, woman-owned, SBA certified 8(a) small business serving federal, state, and local governments. Our headquarters is located in Ashburn, Virginia; JSL has other office locations in Virginia (Virginia Beach), D.C, and Maryland.

JSL designs and manages solutions customized to each customer's unique mission and business objectives. We understand there is not a "one size fits all approach" to customer success. **Our project experience ranges from assigning a single, specialized subject matter expert to large-scale mission-critical system deployment affecting nearly a quarter billion citizens.** We successfully serve our customers by customizing solutions that blend industry best practices, emerging technology, high caliber professional talent, and more than a decade of gained experience. **Currently, we are leading 20 prime contracts and supporting large systems integrators on another dozen high-profile programs that are delivering meaningful results through technical and management advisory, system/app development and integration, identity and access management, and cloud services, to name a few.**



The result of our customer engagement includes award-winning products, 100 percent positive CPARS, and lasting partnerships built on trust and success.

Jazz Solutions Contact Information



Dustin Hoover,
Chief Growth Officer



Jeff Goldhirsch,
Chief Technology Officer



Kristen Larson,
Chief Executive Officer

Solutions@jazzsol.com
www.jazzsolutions.com

20745 Williamsport Place, Suite 320,
Ashburn, VA 20147