

Jazz Solutions Inc.

Delivering secure, reliable, and modern cloud platforms for federal agencies

Jazz Solutions, Inc. (JSL) delivers mission-critical cloud platform operations and modernization services that enable federal agencies to securely operate, modernize, and optimize enterprise cloud environments.

Cloud Platform Operations & Modernization

- Mission-critical cloud platform operations for federal agencies
- Enterprise cloud environment optimization supporting large application portfolios
- Hybrid cloud environment management and standardization
- Technical debt elimination and reliability improvement

Delivery Approach

- Agile delivery methodology
- Continuous platform evolution
- Resilient cloud operations
- Mission growth & modernization support

Engineering & Automation Excellence

- DevSecOps automation and continuous integration/deployment
- Automated infrastructure management
- Standardized deployment pipelines
- Site Reliability Engineering (SRE) practices

Platform & Environment Support

- AWS commercial cloud platforms
- On-premises systems integration
- Hybrid cloud architecture
- Proactive monitoring and secure platform operations

WHAT WE DO

JSL delivers secure, automated cloud platform operations that enable federal agencies to standardize deployments, monitor real-time events and incidents, and operate highly reliable mission systems while reducing technical debt. Through DevSecOps, Site Reliability Engineering (SRE), and fully automated CI/CD pipelines—including infrastructure, firewall, certificate, and application automation—JSL accelerates application delivery, maintains COTS platforms across legacy and cloud environments, and continuously evolves operational best practices to support emerging technologies and AI.

CORE CAPABILITIES



CLOUD PLATFORM OPERATIONS & SITE RELIABILITY

JSL delivers platform operations and site reliability engineering for enterprise cloud and hybrid environments hosting large application portfolios. Our services span cloud infrastructure management, system administration, platform configuration, and lifecycle maintenance, executed through automation, infrastructure-as-code, and SRE principles rather than manual operational practices.

This approach reduces operational toil, improves deployment consistency, and accelerates incident detection and resolution. Proactive monitoring and automation-driven service management enable our teams to reliably support environments that host hundreds of mission-critical applications.

Technologies: AWS EC2, ECS Fargate, RDS, ElastiCache, OpenSearch, CloudWatch, GuardDuty, Auto Scaling, VPC/ Security Groups, Oracle, IBM WebSphere, IBM Security tools



DEVSECOPS AUTOMATION

JSL designs and manages automated CI/CD pipelines and DevSecOps workflows that enable secure, repeatable deployments across development, test, and production environments. Our automated pipelines integrate security testing, configuration validation, and infrastructure-as-code practices to reduce manual operations and accelerate delivery cycles. Where applicable, static analysis and software composition analysis (SCA) scanning are embedded directly in the pipeline to identify and resolve code-level vulnerabilities and container security issues before reaching production.

Our DevSecOps approach enables agencies to standardize deployment pipelines across multiple application teams, improving consistency, security, and operational efficiency while supporting continuous platform evolution.

Technologies: Jenkins, AWS CodePipeline/CodeBuild, Terraform, CloudFormation, Docker, Kubernetes, Bitbucket, Git, Ansible, Semgrep, Aqua Security, STIG/SCSEM compliance tools



SECURITY & COMPLIANCE

JSL ensures cloud platforms operate within secure and compliant environments aligned with FISMA, NIST SP 800-53, and federal cybersecurity frameworks, including RMF authorization processes. Our teams implement continuous monitoring, vulnerability management, access control governance, and secure configuration management across cloud and hybrid environments.

We support security assessments, penetration testing, RMF continuous monitoring, and rapid vulnerability remediation, helping agencies maintain strong cybersecurity posture while meeting evolving federal compliance requirements.

Technologies: AWS KMS, CloudTrail, GuardDuty, Config, Security Hub, CyberArk, Qualys, Nessus, Splunk, SIEM platforms, CSAM/GRCT



PERFORMANCE & COST OPTIMIZATION

JSL continuously evaluates cloud environments to improve performance, strengthen security posture, and optimize cloud spending through cloud governance, automated monitoring, and data-driven optimization strategies. Our engineers analyze utilization patterns across compute, memory, storage, and network to identify over-provisioned or underutilized resources and right-size them to match actual workload demand, reducing unnecessary spend without sacrificing performance or reliability. This includes instance type and family selection, storage tier optimization, and workload scheduling to align resource consumption with operational needs.

Through proactive analytics and operational monitoring, we help agencies reduce cloud costs while improving system performance, scalability, and reliability.

Technologies: AWS Cost Explorer, CloudWatch dashboards, DataDog, Wily Introscope, Reserved Instances, Savings Plans, auto-scaling policies, OpenSearch analytics, AWS X-Ray



OPERATIONS & SYSTEM MAINTENANCE

JSL delivers responsive operational support to maintain high availability and rapid issue resolution for mission systems. Our teams provide patch management, COTS product maintenance, incident response, Tier 2/3 system support, and proactive system health monitoring.

Using automated alerting, operational runbooks, and root cause analysis, we minimize service disruptions and ensure mission-critical systems remain operational.

Technologies: DataDog, CloudWatch Logs/Alarms, OpenSearch alerting, PagerDuty, ServiceNow, JIRA Service Management, automated patching tools



AGILE DELIVERY & PLATFORM EVOLUTION

JSL applies Agile delivery practices to continuously improve cloud platforms and support modernization initiatives. Our teams operate in short development iterations with sprint planning, backlog management, and stakeholder collaboration to deliver measurable improvements in platform capabilities, reliability, and operational efficiency.

Our Agile approach enables agencies to deliver incremental improvements while maintaining operational stability and alignment with mission priorities.

Technologies: JIRA, Confluence, DORA metrics dashboards, Robot Framework, continuous integration tools

RELEVANT EXPERIENCE

Federal Student Aid (FSA) Cloud Modernization

JSL successfully migrated and modernized Federal Student Aid's (FSA) identity and access management platforms, supporting more than 100 million users and over two million daily authentications. Our team migrated 100+ servers from on-premises infrastructure to AWS commercial cloud, implementing cloud-native architectures using ECS Fargate, API Gateway, Aurora, Lambda, ElastiCache, and OpenSearch.

We established automated CI/CD pipelines using Jenkins and AWS CodePipeline, reducing deployment time from weeks to hours while maintaining 99.9%+ uptime. Through infrastructure-as-code and automated security compliance validation, we eliminated significant manual operational toil.

Our optimization efforts identified \$4M+ in annual cloud cost savings through rightsizing, reserved capacity planning, and architectural improvements—while simultaneously improving system performance and security posture.

JSL continues to operate and maintain these mission-critical platforms supporting FAFSA processing and student aid services through 24/7/365 operations, proactive monitoring, automated patching, and continuous security compliance aligned with FISMA, NIST SP 800-53, and federal cybersecurity requirements.

WHY JSL



PROVEN FEDERAL CLOUD OPERATIONS EXPERIENCE

Supporting mission systems with large user populations and high transaction volumes, including platforms serving 100M+ users with billions of annual transactions.



AUTOMATION-DRIVEN OPERATIONS

DevSecOps pipelines and infrastructure-as-code reduce manual operations by 50%+ while accelerating deployment cycles and improving operational consistency.



SECURITY-FIRST PLATFORM ENGINEERING

Deep experience supporting federal security compliance frameworks including FISMA, NIST, FedRAMP, and IRS 1075, with proven ATO achievement.



OPERATIONAL EXCELLENCE AT SCALE

Experience managing enterprise environments supporting hundreds of applications across cloud and hybrid platforms, delivering 99.9%+ availability for mission-critical systems.

WHO WE ARE

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CERTIFICATIONS



CLIENTS



Federal Student Aid
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AWARDS

