At Sparksoft, our true strength lies in our focus on innovation. Our exceptionally skilled people, proven leadership, and optimized processes all work together to support our push for a better solution.

We have developed a support structure of Innovation Centers, designed to collect our lessons learned and identify opportunities for improvement. A key development from our Centers is DevTOps, a new take on the traditional DevOps framework. DevTOps uses an Agile methodology and emphasizes testing to optimize the project lifecycle.

SparkLabs is an important piece in our drive for innovation. We continually pull from our experience, and combine this with forward-thinking technology, to conceptualize new and better solutions. SparkLabs is where our development teams explore ideas and turn them into real-world tools.

This is Sparksoft.
Recent Portfolio

Federal State Academic

CMS/CCI CMSC/CMICM/CPICM/CMCSCMS/CCSQAAMAJHU

Programs Digital Services Applied

Test Automation

Cloud Services

DevOps Delivery

Data Security

Cyber Security

Marketplace Advisor System Integrator (MAASI)

Accountable Care Act (ACA) Testing

Multidimensional Information and Analytics System (MIDAS)

NETS Independent Testing Contractor (HITC)

Independent Verification & Validation (IV&V)

Marketplace Program Integrity Contractor (MPIC)

Collaborative Application Lifecycle Tool (CALT)

HCQIS Enterprise Integrated Supplemental Testing (HEIST)

Information Systems Penetration Testing

Massachusetts Health Insurance Exchange (MAHIX)

Johns Hopkins University Testing Program

Test Automation

As an organization, we are passionate about quality. We utilize Agile methodologies and our innovative DevOps concept to test during development, providing our customers with insights earlier. This results in more informed decision making, resolving issues at lowest cost, and an overall improvement in lifecycle efficiency.

Cloud Services

We aim to provide access to an integrated set of IT solutions efficiently and effectively, resulting in cost savings. Our cloud solution offers expertise in current technologies coupled with a deep understanding of business objectives. Sparkssoft brings this experience to ensure smooth operation with secure access to keep business moving. Our team offers AWS, Azure, and Google Cloud certified engineers.

DevOps Delivery

Our teams design and build new systems from the ground up, integrate new functionalities, assess current architecture, convert legacy systems, maintain current systems, and more. We work across methodologies, are experienced with a large scope of tools (including open source), and are skilled in mainframe, client server, cloud, and mobile development. We use tools like Ansible, Docker, Puppet, etc. to automate the DevSecOps delivery.

Cyber Security

Through our work, we have gained experience in a range of security issues from protecting personal data, to network security. We have developed a comprehensive security and compliance program that is ISO 27001:2013 compliant, designed to ensure FISMA compliance, protect your systems, mitigate risks, and improve overall security posture.

Data Science

Our data forensics teams scrutinize digital assets and transactions across our Medicare, Medicaid, and ACA Marketplace business lines for program vulnerabilities, compliance risks, and cost efficiencies using AI neural networks and deep ML algorithms. This supports data-driven policies for fraud investigations, NIST-based risk assessments, regulatory audits, HIPAA data breach analysis, and more.

Innovation Centers

Software Testing & Training

This Center uses our proven expertise in independent testing services, coupled with major healthcare program experience, to provide a resource structure with the right blend of domain expertise, technology, testing, and training.

Independent Verification & Validation

This Center is designed to leverage Agile concepts, and a flexible approach, to integrate testing into the development lifecycle. This method provides earlier insights, and results in improved project efficiency.

Software Engineering

This Center is built to blend our experience, best practices, and emerging technologies to provide the best solution possible. We ensure our teams are skilled in multiple development methodologies, a wide array of tools, and can develop everything from traditional mainframes, to cloud environments, to mobile applications.

Security & Privacy

This Center gives us the ability to work through the ever-evolving security landscape. It helps us understand and develop methods to handle evolving threats and risks from technical or regulatory change. We apply this knowledge to improve systems architectures, security design, and security implementation to improve our existing programs and to build better solutions for the future.

DevTOps

As part of our push for innovation, we have developed an update to the DevOps concept. We adopt an Agile approach and use testing to bridge the gap between development and operations. DevTOps embeds testing into the lifecycle, testing the system during development. This brings a greater ability to handle change, identifies defects early, and accelerates testing overall. We've drawn from years of field experience, analyzing strategies that positively impact quality and success, and building in a balance of flexibility and consistency.

SparkLabs Products

MockSpider

Virtually hosts your data, creating a sandbox that developers can test in. The input data becomes available immediately, and MockSpider will simulate incomplete components to get you testing earlier. You can run the service in our secure cloud space or install it on your system locally.

ScriptHive

This is a hybrid automation testing framework, supporting both Test Driven and Business Driven Development. It is reusable and customizable, eliminating the need to build a new framework for each project.

508bee

This plugin allows you to easily test static, dynamic, and responsive pages, right from the browser. 508bee is designed to be used at any point in the development lifecycle and can be customized and used as an API within Selenium automation framework. Where other tools simply validate your site at the end, 508bee supports compliant development.

Customers

Centers for Medicare and Medicaid Services

Johns Hopkins University

Tabtor

MA Health Insurance Exchange

Federal Aviation Administration

United States Army

National Institutes of Health

The State of Maryland