



DEVSECOPS SOLUTIONS

Develop safely, and scale efficiently in the cloud with ASG's security first DevSecOps team

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Group

Our DevSecOps Services & Solutions

In the fast-paced world of software development, speed is paramount. But speed without security is a recipe for disaster. That's why ASG promotes improved speed of development of a secure codebase utilizing modern tools and frameworks and integrating security into every part of the development process from build to production.

DevSecOps eliminates the outdated siloed approach to security, where security is an afterthought, bolted on at the end of the development process. Instead, DevSecOps integrates security into every step of the development pipeline, from planning and coding to deployment and monitoring.

This unified approach to security has several benefits:

- **Reduced risk:** By embedding security controls into the development process, DevSecOps helps to identify and fix security vulnerabilities early on before they can be exploited.
- **Increased agility:** DevSecOps eliminates the need for manual security approvals and validations, which can slow down the development process.
- **Improved quality:** DevSecOps helps to ensure that security is blended into the software from the start, which leads to higher-quality software overall.

SUCCESS STORY - FEDERAL GOVERNMENT

ASG is delivering DevSecOps CI/CD models in a complex Agile environment hosted on Amazon Web Services (AWS). This includes building Entity Link Analysis/Resolution applications including the data layer, service layer, and user interface layer as well as end-to-

end monitoring to detect and identify performance bottlenecks or security vulnerabilities.

OUR DEVSECOPS FRAMEWORK:

ASG's government client approach is simple yet transformative. We have streamlined Continuous Integration (CI) with Jenkins, supercharged Continuous Delivery/Deployment (CD) using GitLab CI/CD, and fortified our code with dynamic and static analysis tools like Brakeman, OWASP ZAP, and SonarQube. Terraform and Ansible automate infrastructure, and Docker and Kubernetes ensure consistent deployment, all while adhering to the highest security standards.

SECURITY MEASURES AT THE CORE:

Security is ingrained in our DNA within our client environment. Regular vulnerability assessments using Nessus, Twistlock, BouncyCastle (FIPS), Tenable.io, Fortify, and Qualys keep us vigilant. Robust Identity and Access Management (IAM) through AWS IAM and Azure AD, along with SIEM tools like Splunk, provide real-time threat detection. Our incident response is not just swift but automated, thanks to our partnership with Cortex XSOAR.

ASG TOUCH FOR ADAPTABILITY:

What sets us apart at ASG? We tailor our security to our client's unique needs. Adaptive security policies respond to real-time threats, and our context-aware access control adapts based on user behavior. ASG is able to welcome cloud-native security confidently, leveraging AWS, Azure, or GCP, supplemented with third-party solutions for comprehensive coverage across our government client's landscape.

ZERO TRUST, MAXIMUM ASSURANCE:

ASG believes in the power of Zero Trust. We, in conjunction with our clients, thoroughly verify every user and device attempting to connect to the network, ensuring airtight security. In a world where development pace meets unyielding security standards, ASG is your trusted partner. Elevate your development journey with ASG – where speed meets robust security, and adaptability is not just a feature but a commitment.

About A Square Group, LLC

At A Square Group (ASG), we enable clients to achieve their business goals through technology, process, and governance. Our experienced professionals work in partnership with our clients to ensure their investments deliver superior results - increasing business efficiency and improving business processes. We ensure our solutions integrate with all aspects of our clients' business: their business systems, work practices, corporate strategy, culture, and people. Our record of excellence in service stands as our hallmark as we continue to increase our client base. ASG's dedication to clients is demonstrated every day in the way we interact with each individual.

Areas of Expertise

Artificial Intelligence (AI), Machine Learning (ML), Cybersecurity, Identity and Access Management (IAM), Software Development, Mobile Development, Cloud Computing, DevSecOps, CI/CD, Cloud Migration, Healthcare Services & IT Solutions, Measures and Instrument Development & Support, Data Center Services, Data Analytics, Big Data, Training & Outreach, Web Development & E-Learning, Agile Transformation, and Digital Transformation

A Square Group is a Minority, Woman-Owned, Small Disadvantaged Business.

CMMI L3 (Dev & Svcs) | ISO 9001:2015 | ISO 20000-1:2018 | ISO 27001:2013 Certified

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