



Sting is at the forefront of revolutionizing the way the government and defense base builds software. We are transforming US and allied military capabilities with cutting-edge technology. We focus on advanced software engineering, data science and engineering, machine learning (ML), artificial intelligence (AI), and autonomous weapon systems for the federal government.

Our emphasis is on speed, results, and end-to-end product control, from funding R&D to delivering off-the-shelf solutions. As we rapidly grow, we deploy technology in diverse environments, developing groundbreaking products that will redefine our defense mechanisms and strategy.

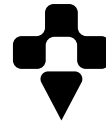
We believe everyone at Sting can be a catalyst for change. We foster a unique culture with diverse perspectives; we aim to help our customers solve the hardest problems to improve lethality while reducing military and civilian casualties. Our team is a blend of top-tier engineering talent who understand the impact of inefficient software and the challenges faced by our warfighters.

Our Impact

Focus Area	Experience	Key Achievements + Impact
Secure Software Engineering, DevSecOps & Cloud Solutions	<ul style="list-style-type: none"> ⇒ Delivered full-stack web applications with secure coding practices and cloud-based architectures, tailored for defense environments. ⇒ Architecture development of RESTful microservices (DoD IL4/IL2 compliance) ⇒ Developed custom DevSecOps pipelines. ⇒ Delivered OCR capabilities to Air Force Spark Cell for a data-driven, automated, proactive, and scalable approach to aircraft maintenance workflows. 	<ul style="list-style-type: none"> ⇒ Automated critical payroll and invoice processes, reducing timelines from days to seconds/minutes ⇒ Delivered secure, scalable software solutions adhering to DoD compliance standards. ⇒ Improved operational transparency and enabled proactive, automated workflows across defense operations.
Advanced Data Science, Engineering, Analytics,	<ul style="list-style-type: none"> ⇒ Developed data-driven approach to subscription, billing, and service conflicts, driving cost 	<ul style="list-style-type: none"> ⇒ Led analytics initiatives using PowerBI and Azure to create dynamic dashboards and automated onboarding



<p>Automation & AI Driven Solutions</p>	<p>reductions for U.S. customers.</p> <ul style="list-style-type: none"> ⇒ Developed an AI-powered LLM chatbot enabling workforce training compliance using modern web, container, and CI/CD technology stacks. ⇒ Built prototype analytics tools to improve software development transparency for Army Human Resources Command (HRC). 	<p>processes, reducing manual tasks by over 90%.</p> <ul style="list-style-type: none"> ⇒ Achieved significant cost savings and enhanced operational transparency. ⇒ Enabled proactive workflow improvements through AI-driven tools and automation.
<p>Technical Program Management & Multi-Program Operations</p>	<ul style="list-style-type: none"> ⇒ Directed IT infrastructure upgrades in federal environments, balancing security compliance and stakeholder engagement. ⇒ Fielded advanced vendor technologies to senior executives across Air Force Spark Cells, AFWERX, and Army Defensive Cyber Operations. ⇒ Delivered technical prototypes addressing analytics, distributed systems, and version control challenges. 	<ul style="list-style-type: none"> ⇒ Managed operations and technical execution across six government programs covering network design, software engineering, and intelligence satellite initiatives. ⇒ Balanced technical execution, security mandates, and stakeholder alignment to ensure mission success.
<p>Asset Management, Infrastructure & Decommissioning</p>	<ul style="list-style-type: none"> ⇒ Delivered scalable, cloud-native infrastructure solutions supporting logistics and operational needs. ⇒ Integrated OCR workflows into aircraft maintenance processes, enabling data-driven decision-making and improved readiness. 	<ul style="list-style-type: none"> ⇒ Spearheaded the organization-wide implementation of an asset management system, replacing legacy systems to manage over \$30 million in assets. ⇒ Modernized asset management systems for better oversight and visibility.



Our Capabilities

Secure Software Engineering & Cloud Solutions

- **Expertise in Secure Software Development:** Design and deployment of secure, scalable full-stack applications adhering to DoD IL4 and IL2 compliance standards, ensuring the highest levels of security in defense environments.
- **Cloud-Native Architectures:** Utilization of leading cloud technologies (AWS, Azure) to support mission-critical applications with CI/CD pipelines for rapid, secure deployment.
- **Custom Software Tools:** Delivery of analytics and software visibility tools to enhance operational decision-making and transparency.
- **Operational Integration:** Embedded secure coding practices to meet rigorous defense and government compliance standards.

Advanced Analytics, Automation & AI Solutions

- **AI-Powered Applications:** Development of AI-driven systems, including LLM chatbots for training compliance and operational efficiency tools.
- **Data Visualization & Analytics:** Creation of dynamic dashboards and automated solutions to streamline processes, saving time and resources.
- **Workflow Optimization:** Integration of advanced automation (e.g., OCR for aircraft maintenance) to enhance operational readiness and minimize manual intervention.
- **Cost Savings:** Implementation of tools and processes that have reduced operational costs.

Technical Program Management & Multi-Program Execution

- **Cross-Functional Leadership:** Management of complex, multi-program operations involving diverse technical teams and government stakeholders.
- **Infrastructure & System Modernization:** Successful execution of IT upgrades and integration of advanced vendor technologies for mission-critical applications.
- **Stakeholder Engagement:** Proven ability to align objectives across teams while meeting strict timelines, budgets, and security protocols.
- **Prototyping & Technology Demonstration:** Fielding and demonstrating cutting-edge technologies tailored to Air Force and Army operational needs.

Infrastructure Modernization & Asset Management

- **Scalable Infrastructure Solutions:** Delivery of robust, cloud-native architectures to support large-scale logistics and operations.
- **Comprehensive Asset Oversight:** Replacement of legacy systems with modern asset management platforms to oversee \$30M+ in government assets.
- **Data-Driven Decision Making:** Integration of automation technologies to streamline workflows and improve asset readiness.



Defense-Focused R&D and Autonomous Systems Development

- **Innovation in R&D:** Advancing autonomous weapon systems and mission-critical defense technologies through cutting-edge research and development.
- **End-to-End Product Delivery:** Full lifecycle management of products from conceptualization to deployment in the field, ensuring reliability and mission alignment.
- **Autonomous Systems Expertise:** Design and implementation of AI-driven autonomous capabilities, enhancing battlefield effectiveness while reducing risks to personnel.

Agile Deployment & Rapid Prototyping

- **Speed to Impact:** Rapidly delivering innovative solutions tailored to defense challenges through agile development methodologies.
- **Prototyping & Iteration:** Deploying iterative models that adapt to real-time needs of the DoD and other federal customers.
- **Scalability and Adaptability:** Ensuring that solutions are scalable and flexible, aligning with diverse operational requirements.

Mission-Centric Cybersecurity Solutions

- **DoD-Grade Security:** Deployment of cybersecurity solutions that meet the highest federal compliance and accreditation standards.
- **Proactive Threat Mitigation:** Utilization of advanced analytics and monitoring to identify and neutralize threats before they impact operations.
- **Secure Data Integration:** Ensuring secure data flows across distributed systems to support informed decision-making in dynamic environments.

At Sting Defense, we pride ourselves on our proven track record of operational excellence, consistently delivering innovative, secure, and scalable solutions on time and within budget. We leverage cutting-edge advancements in AI, machine learning, and cloud computing to address the most complex challenges our customers face. Our team combines top-tier engineering talent with deep defense expertise, bringing a unique blend of skills and dedication to solving the toughest problems. From research and development to deployment, we offer comprehensive, end-to-end capabilities that enable us to provide tailored solutions for the evolving needs of the federal landscape.