

CAPABILITY STATEMENT

Zaden Technologies offers distinctive DevSecOps, cloud computing, and AI solutions that boost defense system security, scalability, and efficiency. Zaden's Olympus software infrastructure enables rapid deployment of configurable cloud environments with integrated DevSecOps best practices. Augmenting these capabilities, Zaden leverages cutting-edge artificial intelligence like deep learning and anomaly detection to enable intelligent predictive analytics and automation for enhanced cybersecurity threat visibility and response. Whether modernizing legacy systems or developing new capabilities, Zaden's specialized skillset empowers defense teams to achieve improved speed, quality, and security through their solutions.

COMPANY DATA

DUNS: 117350936 **CAGE CODE:** 8GNP8
UEI: NZURD3WJR541

NAICS CODES:

511210 | Software Publishers
518210 | Data Proc., Hosting, & Related Services
541330 | Engineering Services
541511 | Custom Computer Programming
541512 | Computer System Design Services
541519 | Other Computer Related Services
541611 | Admin. Mgmt. & Gen. Mgmt. Consulting
541618 | Other Management Consulting Services
541690 | Other Scientific & Technical Consulting
541715 | R&D in Physical Eng. & Life Sciences

CORE COMPETENCIES



INTELLIGENCE AUGMENTATION

AI/ML • Predictive Analytics • Deep Learning
• Anomaly Detection • Artificial Neural Networks • Reinforced Learning • Bias-Variance Tradeoff •
AI-Driven DevSecOps • Intelligent Automation



DIGITAL TRANSFORMATION

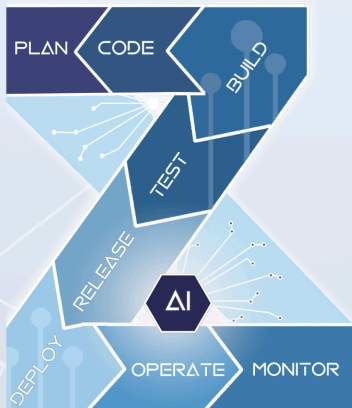
DevSecOps • Cloud Computing • Containerization • Microservices • Agile Methodologies • CI/CD • Infrastructure-as-Code • Data-Driven Automation • GitOps • Cloud-Native Solutions



SOFTWARE MODERNIZATION

Legacy System Migration • Code Conversion • Modular Design • Software Factory • Automated Testing • Containerization • Microservices Architecture • Cloud Migration • Agile SDLC • API Integration

OFFERINGS: PRODUCTS & SERVICES TO ADVANCE THE WARFIGHTER



Zaden provides services for modernizing existing products and systems, including languages, development tools, processes, and infrastructure. Our modernization solutions will help your teams implement lasting changes that will improve development speed and product quality as well as reduce project costs.

ZADEN'S DEVSECOPS APPROACH

Zaden's DevSecOps solutions harness artificial intelligence and deep learning, enhancing security operations through intelligent automation, predictive analysis, and anomaly detection. With our expertise, your systems are fortified, making Zaden the trusted partner for elevating your AI-driven DevSecOps strategy.



AUTOMATING A SMARTER FUTURE

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PARTNERS



PAST PERFORMANCE

DIGITAL TRANSFORMATION & INNOVATION IRAD

CUSTOMER: Northrop Grumman

PRIME: Zaden Technologies

CEILING: \$2.34 M **TYPE:** T&M

POP: 4/1/2021 - 6/30/2023

USERS SUPPORTED: 40

DESCRIPTION:

Created downloadable software factory, supported GMD-Next IRAD and GMD-Futures efforts with DevSecOps practices and MBSE enhancements.

GMD WEAPON SYSTEM (GWS) SOFTWARE FACTORY & DEVSECOPS

CUSTOMER: Missile Defense Agency (MDA)

PRIME: Northrop Grumman

CEILING: \$9.76 M **TYPE:** T&M

POP: 9/14/2022 - 9/30/2027

USERS SUPPORTED: 500 +

DESCRIPTION:

Established a secure, scalable software factory for the GWS program, migrated applications from AWS to Azure, and implemented DevSecOps ecosystem.

NEXT GENERATION INTERCEPTOR (NGI) SOFTWARE FACTORY

CUSTOMER: Missile Defense Agency (MDA)

PRIME: Northrop Grumman

CEILING: \$2.55 M **TYPE:** FFP

POP: 9/15/2022 - 3/1/2024

USERS SUPPORTED: 350 +

DESCRIPTION:

Architected a full-scale software factory framework, created resilient Kubernetes clusters, and implemented a comprehensive monitoring and alerting stack.



SYSTEM INTEGRATION, TEST, & READINESS (SITR)

CUSTOMER: Missile Defense Agency (MDA)

PRIME: The Boeing Company

CEILING: \$13.88 M **TYPE:** IDIQ

POP: 02/01/2023 - 12/31/2027

USERS SUPPORTED: 300 +

DESCRIPTION:

Managed DevSecOps scrums, developed GMD Software Dashboard, conducted chaos engineering, and provided 24/7 operational support.

ICARUS SYSTEM MODELER - AIR FORCE SBIR PHASE I

CUSTOMER: United States Air Force

PRIME: Zaden Technologies

CEILING: \$0.75M **TYPE:** SBIR

POP: 06/11/2024 - 05/11/2026

USERS SUPPORTED: 80

DESCRIPTION:

Developed Icarus platform using Architecture-as-Code technology to automate MBSE processes and generate SysML diagrams.

ICARUS SYSTEM MODELER - SPACE FORCE SBIR PHASE II

CUSTOMER: United States Space Force

PRIME: Zaden Technologies

CEILING: \$2.15 M **TYPE:** SBIR

POP: 05/15/2024 - 08/17/2024

USERS SUPPORTED: 80

DESCRIPTION:

Enhanced Icarus platform for automated MBSE model generation, established digital thread, conducted testing in Space Force environments.

PRODUCTS



AI-powered MBSE tool automating SysML model generation from documentation.



Advanced AI-powered cybersecurity platform for real-time threat detection.



Secure, configurable software factory accelerating DoD mission-critical development.



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