



MULBERRY TECHNOLOGIES LLC

Reliable Software Solutions for Mission-Critical Environments



COMPANY OVERVIEW

Mulberry Technologies LLC is a software engineering firm specializing in memory-safe systems development and AI-accelerated delivery. We help federal agencies, defense partners, and commercial prime contractors build crash-resistant applications, modernize legacy systems, and implement automated validation frameworks. By combining modern Rust-first engineering with an AI-accelerated, specification-driven development lifecycle, we deliver high-reliability software faster, with lower lifecycle maintenance costs and strict engineering verification.

COMPANY DATA & CODES

Entity: Mulberry Technologies LLC

Socioeconomic: SBA-Certified SDVOSB & VOSB

UEI: FLEZB9N4SKR7

CAGE: 23X34

Primary NAICS: 541511 (Custom Programming)

Secondary NAICS: 511210 (Software Publishers)

PSC Tower Codes: DA01 (IT Labor), DD01 (Delivery)

CONTACT INFORMATION

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CORE CAPABILITIES

• Custom Software & Backend Engineering

Design and implementation of memory-safe, crash-resistant backend services, microservices, and operator dashboards engineered for high availability and low maintenance.

• Systems Modernization & Integration

Bridging legacy infrastructure with secure event-driven architectures, structured API gateways, resilient data pipelines, and containerized Linux deployments.

• Automated Conformance & Validation Tooling

Developing protocol simulators, reproducible test environments, and automated validation suites to guarantee system interoperability and regulatory conformance.

KEY DIFFERENTIATORS

- **Memory-Safe Architecture (Rust-First):** We develop software using modern memory-safe technologies that eliminate buffer overflows, race conditions, and memory corruption at compile time—directly fulfilling federal cybersecurity and memory-safety mandates (CISA / ONCD).
- **AI-Accelerated Delivery with Engineering Rigor:** We harness advanced AI tooling across the software lifecycle to accelerate prototyping, code scaffolding, and test generation—delivering solutions faster and more cost-effectively under 100% principal engineer verification and accountability.
- **Specification-Driven & Test-Driven Quality:** Every feature traces directly to formal requirements and is validated by automated conformance test suites written prior to implementation, ensuring complete traceability, repeatable quality, and defect prevention.
- **SDVOSB Agility & Direct Principal Access:** Clients engage directly with senior engineering leadership, enabling rapid decision-making, direct accountability, and flexible small business contracting without the overhead of multi-tiered prime contractors.

Keywords: Rust • Memory Safety • Custom Software Development • Systems Integration • Conformance Testing • AI-Accelerated SDLC • SDD / TDD • Microservices • Cloud Infrastructure • SDVOSB / VOSB • NAICS 541511 • PSC DA01 / DD01