



# Riptide Solutions

## Capability Statement

Enterprise Platform Components &  
AI Consulting for Regulated Industries

### About Riptide Solutions

Riptide Solutions is a Washington-based, veteran-owned technology firm that builds enterprise platform components and provides AI consulting services tailored for government agencies and energy/utility organizations. We design systems where continuity, auditability, and policy compliance are intrinsic to the architecture — not bolted on later. Our deliverable-based engagements produce measurable outcomes without long-term dependency.

### Core Competencies

- **Enterprise Platform** — Business-facing enablement applications, coupled with drop-in .NET components for identity, authorization, logging, monitoring, configuration, security, persistence, and a standalone workflow engine. Eliminates redundant infrastructure work across agency applications.
- **AI Adoption Advisory** — Practical AI strategy for regulated industries — use case identification, governance frameworks, risk assessment, and team training grounded in procurement and compliance realities.
- **Documentation Acceleration** — AI-powered requirements capture, technical specifications, SOPs, and compliance documentation — compressing months of work into weeks.
- **Backlog & RFP Services** — AI-ready product backlogs and procurement documents with proper scoping for model selection, data governance, and evaluation criteria.
- **PMO Modernization** — AI agents for automated status reporting, risk monitoring, schedule analysis, and executive dashboards — built for public sector oversight requirements.

### Differentiators

- **Built for Regulated Industries** — Audit trails, role-based access, compliance documentation, and multi-tenant isolation are foundational to every product and engagement.
- **No Vendor Lock-In** — Short, deliverable-based engagements with fixed pricing. You own every artifact. Continue, pivot, or stop at any decision point.
- **Platform + Services from One Partner** — Development teams get reusable infrastructure components; leadership gets AI guidance and modernization consulting — from the same team.
- **Agency-Level Licensing** — One license per agency — no per-user, per-transaction, or per-environment fees. Scales with your mission, not your licensing costs.

### Project Experience

- **State Agency Enterprise Platform** — (2025) Designed a standardized application platform for a state government agency, providing centralized identity management, role-based access control, and audit-ready logging across multiple internal applications.
- **AI Adoption Roadmap — Public Sector** — (2025) Delivered a strategic AI adoption roadmap for a government organization, identifying high-value use cases, establishing governance frameworks, and providing team training aligned to procurement and compliance constraints.
- **Documentation & Requirements Modernization** — (2025) Accelerated requirements capture and technical documentation for a regulated agency using AI-assisted elicitation, reducing documentation timelines by over 60%.

### Contact

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### NAICS Codes

<b>541511</b>	Custom Computer Programming
<b>541512</b>	Computer Systems Design
<b>541519</b>	Other Computer Related Svcs
<b>541611</b>	Admin Mgmt Consulting
<b>541690</b>	Other Scientific/Tech Consulting
<b>518210</b>	Computing Infrastructure

### Commodity Codes

<b>920-04</b>	Applications Software
<b>920-07</b>	Applications Software (Business)
<b>920-13</b>	Authentication System Software
<b>920-64</b>	System Implementation & Integration
<b>918-29</b>	Computer Software Consulting
<b>918-71</b>	IT Consulting
<b>918-90</b>	Strategic Planning Consulting
<b>958-77</b>	Project Management Services

### Codes & Identification

**UEI:** XKJ3RJD5TJ73

### Certifications

WA Veteran-Owned Small Business  
Washington State Small Business



### Technology Stack

- .NET SDK with Zero Trust Security
- Application Manager
- Workflow Manager
- Business Enablement Suite



# The Riptide Platform

## Modern Productivity for Enterprises

### The Challenge

Every enterprise application needs identity, authorization, audit logging, security, and configuration management. Most projects rebuild these components from scratch for every new system — duplicating effort, introducing inconsistency, and delaying time to value.

### Platform SDK

A set of drop-in .NET 8 libraries that handle the heavy lifting. Each component works independently — adopt one or all.

- **Identity** — Authentication with three deployment modes: self-contained, SSO, or centralized
- **Logging** — Structured, audit-ready event capture with PII handling
- **Monitoring** — Health checks and distributed tracing
- **Configuration** — Centralized, versioned runtime settings
- **Persistence** — Standardized data access with multi-provider support
- **Security** — Zero Trust policy enforcement, data classification, and compliance
- **Tenant Isolation** — Per-tenant data partitioning, configuration scoping, and resource isolation

### Application Manager

A centralized admin interface for everything built on the platform: user management, role assignment, identity brokering, configuration, and audit trails — all in one place. Documented APIs allow applications written outside the Riptide SDK — even in non-.NET languages — to register with and use Application Manager.

### Business Enablement Suite

Three applications that move business-managed values, rules, and fee calculations out of application code and into tools business users control directly — with full audit trails and role-based access.

- **Value Manager** — Centralized typed variables and expressions with hierarchical scoping and Excel import/export
- **Rules Engine** — Dynamic business rules with priority ordering, version control, and runtime evaluation against any data context
- **Fee Manager** — Formula-driven fee calculation with multi-party distribution, historical lookups, and complete audit trails

### Workflow Engine

Enterprise process automation replacing custom workflow code with declarative JSON definitions. Includes human task orchestration, service integration, parallel execution, conditional routing, and tenant-isolated audit trails for regulated environments.

### Project Development Suite (Late 2026)

AI-powered tools for accelerating the project development lifecycle — from concept through requirements to implementation-ready software.

### Why It Matters

<b>Ship Faster</b>	Stop rebuilding infrastructure. Start building business functionality on day one.
<b>Reduce Risk</b>	Consistent security, authorization, and audit logging across every application — not bolted on after the fact.
<b>Stay Compliant</b>	Built-in audit trails, role-based access control, and PII handling designed for regulated environments.
<b>Own Everything</b>	No vendor lock-in. Your team builds on the platform, your organization owns the result.
<b>Scale Simply</b>	Licensed per organization, not per user or environment. Deploy as many instances as you need.

### Why Riptide

- **Built for regulated industries.** Audit trails, access control, and compliance documentation are foundational — not afterthoughts.
- **Services with no lock-in.** Deliverable-based engagements, transparent pricing, and you own every artifact we produce.
- **One partner.** Platform components and AI services from the same team. Your developers get tools; your leadership gets guidance.