

- District of Columbia Certified Business Enterprise (CBE)
- Maryland Department of Transportation (MDOT) Certified Minority Business Enterprise (MBE)
- CAGE Code: 5D5K8
- UID: M1RKCPJ88977
- GSA Multiple Award Schedule Contract: 47QTCA19D008854151S: Information Technology Services; 561210FAC: Facilities Maintenance & Management
- Prime Contractor with CONUS and OCONUS experience
- Oasis+ Small Business Facilities, contract number: 47QRCA25DS429
- Seaport-NxG contract number: N00178-21-D-9409

RWD delivers enterprise-level, high-performance applications and AI solutions supporting federal and state agencies. Our teams combine human centered design (HCD) with secure DevSecOps practices to modernize legacy systems, build cloud native platforms, and integrate complex data and APIs quickly and reliably across large, complex environments.

We design and update systems to be more efficient, more productive, and easier for teams to operate and maintain over time. We create and deploy LLM powered AI agents for data consumption, knowledge retrieval, workflow automation, and decision support, supported by guardrails, automated PII redaction, and human-in-the loop oversight. We align to NIST SP 800 53 and 800 171, Zero Trust principles, and USWDS, and we deliver accessible experiences that meet Section 508 and WCAG 2.2 AA. By focusing on human centered design throughout the development process, we create intuitive interfaces and streamlined workflows that improve efficiency and provide an enhanced user experience.

## CAPABILITIES

**Enterprise Application Development:** Full stack web & mobile solutions built on modern frameworks for performance, security, and scalability.

**AI Agent Design and Intelligent Automation:** LLM powered agents that streamline workflows, support decision making, and increase operational efficiency across programs including knowledge assistants, intake & triage copilots, & workflow routing agents that reduce manual effort & accelerate mission delivery.

**Responsible and Trustworthy AI:** Secure retrieval, guardrail engineering, PII redaction, bias testing, & human-in-the loop validation to ensure transparency & compliance.

**Machine Intelligence and Data Insight:** Natural language processing, document understanding, speech analytics, forecasting, & enhanced computer vision for better data-driven decisions.

**Human Centered Design (HCD) and UX/UI:** User research, rapid and iterative prototyping, and USWDS compliant interfaces that provide intuitive and accessible digital services and user interfaces.

**Legacy System Modernization:** Cloud migration using AWS or Azure, containerization, API enablement, & microservices.

**API Development and System Integration:** REST & GraphQL interfaces, secure data pipelines, seamless integration across agencies, vendors, & enterprise platforms.

**Agile Delivery and DevSecOps:** Secure, iterative development using Scrum or Kanban, continuous integration & deployment automation, and infrastructure as code for faster, safer releases.

**Data Architecture and Database Engineering:** Scalable architectures supporting analytics, data lakes, & frameworks.

**Security First Development:** NIST 800 53 & 800 171 compliance, OWASP Top 10 mitigation & encryption.

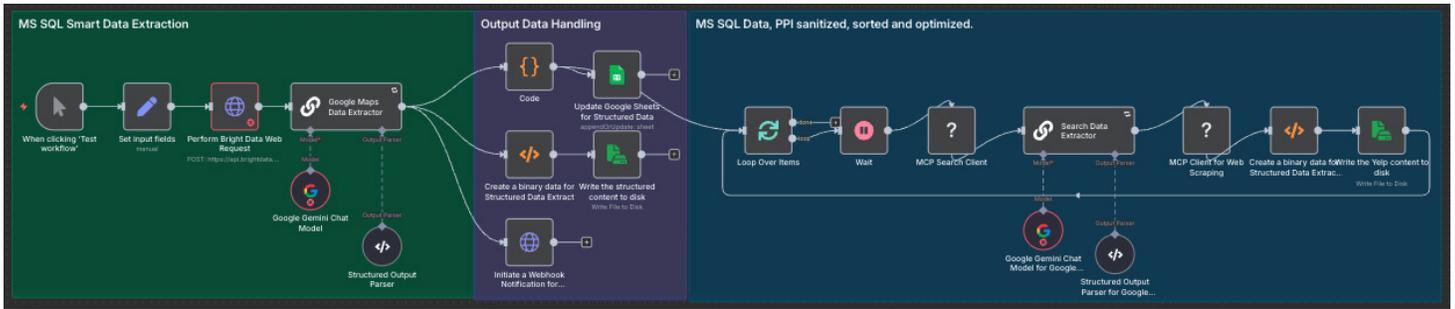
**Performance and Scalability Optimization:** Load testing, resiliency engineering, & performance tuning.

**Full Lifecycle SDLC Management:** Comprehensive support from requirements & design through deployment, operations, maintenance, & continuous improvement with measurable performance metrics with ongoing support.

**Accessibility and Compliance:** Section 508 & WCAG 2.2 AA adherence with DHS 508 Trusted Tester certified personnel on staff, ensuring inclusive access for all users and the public.

**Ongoing Support and Optimization:** Managed services & performance monitoring that ensure reliability and efficiency.

## AI POWERED SOLUTIONS



Incorporating AI agents as part of our application development services helps federal and state agencies become more proficient, resolve issues, and keep teams focused on the mission, while creating solutions that optimize efficiency and performance at every step. We design intelligent assistants to handle routine intake, triage, automate tasks, and output, producing relevant, accurate information while guiding staff through clear next steps. The result is AI powered workflows that reduces backlogs, optimizes performance, and delivers clear, proven results.

Our approach combines large language models (LLMs), AI agents, and Model Context Protocol (MCP) to build AI powered, intelligent enterprise systems that get real work done. LLMs handle understanding and conversation, while our AI Agents are designed to take specific actions inside your existing applications, APIs, and data environment. MCP connects it all, giving the solution shared context about users, history, and active work so planning and execution stay consistent, predictable, and effective across sessions.

We create specialized AI agents for clear, well-defined tasks and run them in highly structured workflows. One agent might handle intake, another validation, another initiates QA smoke testing, and another reporting or follow up, each agent passing its work to the next to keep the process moving smoothly end-to-end. By using this modular, integrated approach, we deliver AI-powered solutions that are more robust, more reliable, and demonstrably improve efficiency and performance for the agencies and organizations we serve.

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- NCMA Atlanta Volunteer Company of the Year, 2020
- Small Business Contractor for Safety, Environmental Protection Agency (EPA), 2019
- SBA Small Business Person of the Year, 2017

