SIS | SMALL INNOVATIVE SOLUTIONS
INTELLIGENCE × ENGINEERING × INTEGRITY
CAPABILITIES STATEMENT
Certified SDVOSB

Company Overview

Small Innovative Solutions LLC (SIS) is a Texas-based, certified Service-Disabled Veteran-Owned Small Business delivering technology services to federal, state, and commercial organizations. Led by a U.S. Marine Corps veteran with a master's degree in data science and hands-on federal IV&V experience, SIS combines evidence-based quality engineering with modern data, AI, cloud, and systems capabilities.

Core Competencies

- **Independent Verification & Validation (IV&V).** Objective, evidence-based assurance that systems meet requirements and mission needs. *Jira · Xray · ALM / Quality Center · Azure DevOps · ServiceNow*
- **Test Automation & Interface Testing.** Maintainable automation for UI, API and system interfaces, wired into CI/CD. *Selenium · Cypress · Playwright · Tricentis TOSCA · Postman / Newman*
- **Data Engineering & Report Validation.** Trusted data from source to dashboard, with reconciliation at every hop. *Oracle SQL · Amazon Redshift · PostgreSQL · SQL Server · AWS S3*
- **AI & Machine Learning.** Measurable, governed AI from prototype to monitored production. *Python · scikit-learn · XGBoost · PyTorch · Amazon Bedrock*
- **Cloud & Platform Engineering.** Secure, observable, cost-aware cloud and hybrid operations. *AWS / GovCloud · Azure / Azure Government · Terraform · CloudFormation · Docker*
- **Linux & Windows Systems Administration.** Stable, patched, hardened and documented enterprise systems. *RHEL · Ubuntu · Windows Server · PowerShell · Bash*
- **Software Development & DevSecOps.** Modern applications delivered continuously with security in the pipeline. *Python · JavaScript / TypeScript · React · Node.js · Java*
- **Cybersecurity & Zero Trust.** Security engineered in and verified continuously. *NIST SP 800-53 Rev. 5 · NIST SP 800-37 / 800-207 · NIST CSF 2.0 · FedRAMP · Tenable / Nessus*
- **Enterprise Automation & Integration.** Fewer manual steps, connected systems, auditable workflows. *Power Automate · ServiceNow · UiPath · REST APIs · Python*
- **IT Staffing & Workforce Solutions.** Technically vetted professionals and project teams. *Staff augmentation · Project-based teams · SDVOSB subcontracting*

Differentiators

- Certified Service-Disabled Veteran-Owned Small Business — eligible for SDVOSB set-asides and sole-source awards; supports primes' small-business participation goals.
- Assurance-first engineering — IV&V roots mean every deliverable is traceable, tested, and backed by evidence.
- Founder-built automation tooling for interface and report testing — faster, repeatable validation from day one.
- Data science depth — founder holds an M.S. in Data Science, bringing analytical rigor to AI and data work.
- Small-business agility — direct access to leadership, fast onboarding, flexible teaming as prime or subcontractor.

Key Personnel

Nicholas Small, M.S. — Founder & CEO. U.S. Marine Corps veteran. M.S., Data Science and B.A., Information Technology, Texas Tech University. Senior IV&V test engineering experience supporting federal programs for the Department of Veterans Affairs and the U.S. Geological Survey, spanning API, database, end-to-end, and automated testing. Creator of the SIS Automation Test Stack.

Company Data

Legal Name
: Small Innovative Solutions LLC

UEI
PNKQUMB2BTL3
CAGE Code
24J24
Business Type
Certified SDVOSB · Veteran-Owned · Small Business · Texas LLC
Teaming
Prime & subcontract

NAICS Codes

- **541511** Custom Computer Programming Services
- **541512** Computer Systems Design Services
- **541513** Computer Facilities Management Services
- **541519** Other Computer Related Services
- **518210** Computing Infrastructure, Data Processing & Hosting
- **513210** Software Publishers
- **541330** Engineering Services
- **541370** Surveying & Mapping Services
- **541690** Other Scientific & Technical Consulting
- **541611** Administrative & General Management Consulting
- **541614** Process & Logistics Consulting
- **541618** Other Management Consulting
- **423430** Computer Equipment & Software Wholesalers

Contact

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SIS Automation Test Stack

A custom automation testing stack designed and built by our founder to test system interfaces and validate reports — reducing manual effort and producing repeatable, evidence-ready results.

- **Interface testing.** Automated, data-driven execution of interface and API test cases with expected-vs-actual checks.
- **Report validation.** Automated comparison of report outputs against source-of-truth database queries.
- **Regression comparison.** Side-by-side comparison of baseline vs. modified outputs to catch unintended changes between releases.
- **Evidence & results.** Consolidated pass/fail results and artifacts ready for test reports and audit.

Independent Verification & Validation (IV&V)

Objective, evidence-based assurance that systems meet requirements and mission needs.

Skills

Requirements testability review & traceability (RTM) · Test strategy, planning & risk-based test design · Functional, regression, integration, E2E & UAT · Defect lifecycle & root-cause analysis · Release-readiness / go-no-go reporting

Technologies & Software
JiraXrayALM / Quality CenterAzure DevOpsServiceNowConfluence

Test Automation & Interface Testing

Maintainable automation for UI, API and system interfaces, wired into CI/CD.

Skills

Data-driven & keyword-driven frameworks · REST / SOAP API contract & negative testing · Interface & message validation between systems · CI-integrated regression suites · Performance, load & soak testing

Technologies & Software
SeleniumCypressPlaywrightTricentis TOSCAPostman / NewmanSoapUIJMeterJenkinsGitPython

Data Engineering & Report Validation

Trusted data from source to dashboard, with reconciliation at every hop.

Skills

SQL source-to-target reconciliation · ETL / ELT pipeline build & validation · Data quality rules & profiling · Report & dashboard verification · Data migration testing

Technologies & Software
Oracle SQLAmazon RedshiftPostgreSQLSQL ServerAWS S3AWS GluePython / PandasPower BIExcel

AI & Machine Learning

Measurable, governed AI from prototype to monitored production.

Skills

Predictive modeling & forecasting · NLP & document intelligence · Generative AI, RAG & agentic workflows · Model evaluation, red-teaming & bias testing · AI governance (NIST AI RMF)

Technologies & Software
Pythonscikit-learnXGBoostPyTorchAmazon BedrockAzure OpenAISageMakerMLflowVector databases

Cloud & Platform Engineering

Secure, observable, cost-aware cloud and hybrid operations.

Skills

Landing zones & account structure · Infrastructure as code · Migration planning & execution · Observability & incident response · FinOps, backup & disaster recovery

Technologies & Software
AWS / GovCloudAzure / Azure GovernmentTerraformCloudFormationDockerKubernetesAWS LambdaCloudWatch

Linux & Windows Systems Administration

Stable, patched, hardened and documented enterprise systems.

Skills

Linux & Windows Server engineering · Active Directory, GPO & Entra ID · Patch & vulnerability remediation · STIG / CIS hardening · Virtualization, backup & recovery

Technologies & Software
RHELUbuntuWindows ServerPowerShellBashAnsibleVMware vSphereHyper-VSCCM / Intune

Software Development & DevSecOps

Modern applications delivered continuously with security in the pipeline.

Skills

Web applications, APIs & microservices · Legacy modernization · CI/CD pipeline engineering · SAST / DAST / SCA & SBOM · Section 508 accessible design

Technologies & Software
PythonJavaScript / TypeScriptReactNode.jsJava.NETGitHub ActionsJenkinsSonarQubeOWASP ZAP

Cybersecurity & Zero Trust

Security engineered in and verified continuously.

Skills

Identity & access management (MFA / PIV) · Vulnerability management · SIEM use cases & monitoring · RMF / ATO documentation (SSP, POA&M) · Zero-trust roadmaps & ConMon

Technologies & Software
NIST SP 800-53 Rev. 5NIST SP 800-37 / 800-207NIST CSF 2.0FedRAMPTenable / NessusSplunkMicrosoft SentineleMASS

Enterprise Automation & Integration

Fewer manual steps, connected systems, auditable workflows.

Skills

Workflow & approval automation · RPA for rules-based tasks · API & system integration · Intelligent document processing · Report generation & distribution

Technologies & Software
Power AutomateServiceNowUiPathREST APIsPythonPowerShellOCR / document AI

IT Staffing & Workforce Solutions

Technically vetted professionals and project teams.

Skills

QA / IV&V analysts & automation engineers · Data, BI & data science roles · Cloud, DevOps & systems roles · Software developers & technical leads · Prime & subcontract teaming

Technologies & Software
Staff augmentationProject-based teamsSDVOSB subcontracting