

SDVOSB

VOSB

SAM.GOV REGISTERED

SMALL BUSINESS

100% SERVICE-CONNECTED

FLORIDA LLC

CAGE CODE — PENDING

COMPANY OVERVIEW

Heinrichs Software Solutions LLC delivers enterprise-grade software development, cloud architecture, AI/ML, and cybersecurity solutions to federal agencies — with the discipline and precision of veteran leadership. Founded by Derek Heinrichs, a 100% service-connected disabled veteran, we bring military-grade accountability to every line of code we ship.

Our proprietary **Genie AI Platform** — a 43-agent multi-LLM orchestration system — augments development workflows with AI-driven code generation, automated QA, and intelligent task routing to accelerate delivery.

CORE COMPETENCIES

SOFTWARE DEVELOPMENT

- Full-stack web apps (Node.js, Python, React, .NET)
- RESTful & GraphQL API design
- Microservices architecture
- Legacy system modernization
- Section 508 accessibility

AI & MACHINE LEARNING

- Multi-agent AI orchestration
- Multi-LLM consensus (7 providers)
- NLP & predictive analytics
- Intelligent automation
- Responsible AI frameworks

CLOUD ARCHITECTURE

- AWS, Azure, GCP migration
- FedRAMP & IL4/IL5 readiness
- Multi-cloud & hybrid deployments
- FinOps & cost optimization
- Disaster recovery & HA

CYBERSECURITY

- Vuln assessment & pen testing
- STIG compliance & RMF support
- Zero-trust architecture
- SOC setup & incident response
- Automated security scanning

DEVOPS & AUTOMATION

- CI/CD (GitHub Actions, GitLab CI)
- Docker & Kubernetes
- Infrastructure-as-Code (Terraform)
- Automated testing frameworks
- Monitoring & observability

BLOCKCHAIN & WEB3

- XRPL — payments, escrows, NFTs
- Ethereum/EVM — Solidity contracts
- Bitcoin & Solana integration
- Cross-chain architecture
- Multi-chain systems

KEY DIFFERENTIATORS

★ **100% Veteran-Owned** — Military discipline, accountability, and mission-focus in every engagement

★ **Proprietary AI Platform** — 43-agent Genie system not available from typical contractors

★ **Multi-LLM Consensus** — 7 AI providers validate & improve output quality — unique in the industry

★ **Full-Stack Depth** — Blockchain to AI to cloud to cybersecurity — single-vendor eliminates subcontracting

★ **AI-Accelerated Delivery** — Prototype-to-production at speeds traditional teams cannot match

★ **Cost-Effective Excellence** — SDVOSB pricing + AI-driven efficiency = exceptional value per dollar

SET-ASIDE QUALIFICATIONS

SDVOSB

SERVICE-DISABLED
VETERAN-OWNED

VOSB

VETERAN-OWNED
SMALL BUSINESS

SB

SMALL BUSINESS
SET-ASIDE

VA VET

VA VETERANS FIRST
CONTRACTING

NAICS CODES & SIZE STANDARDS

NAICS	DESCRIPTION	SIZE STD
541511	Custom Computer Programming Services	\$34M
541512	Computer Systems Design Services	\$34M
541519	Other Computer Related Services	\$34M
518210	Cloud Computing & Data Processing	\$40M
541330	Engineering Services	\$25.5M
541715	R&D — Physical, Engineering & Life Sciences	1,000 emp

PAST PERFORMANCE & PORTFOLIO

GENIE AI PLATFORM

PROPRIETARY PRODUCT

Production multi-agent AI orchestration — 43 specialist agents across 10 departments, 7 LLM providers with intelligent consensus routing, 4-chain blockchain module, 30+ REST API endpoints with SSE streaming.

Node.js Express 5 OpenAI Anthropic Google xrpl.js ethers.js

SAM.GOV CONTRACT INTELLIGENCE

AI AUTOMATION

Automated federal contract research with AI qualification matching, intelligent filtering, and professional PDF report generation for Sources Sought and RFI responses.

Puppeteer Multi-LLM PDFKit SAM.gov API

DRAGONKILL ONLINE

REAL-TIME APPLICATION

Real-time multiplayer online game with persistent world, live combat, player interaction, and concurrent session management — demonstrating scalability expertise.

C# Unity WebSocket Real-time

BLOCKCHAIN MULTI-CHAIN SYSTEMS

WEB3 / DEFI

XRPL EVM Sidechain smart contracts, cross-chain portfolio tools, AMM protocols, and blockchain-integrated gaming with on-chain assets.

XRPL Solidity EVM Multi-chain

PROPRIETARY PLATFORM — GENIE AI

MULTI-AGENT AI ORCHESTRATION PLATFORM

Built entirely in-house — 43 specialist agents across 10 departments, 7 LLM providers with intelligent consensus routing, delivering mission-critical software at unprecedented speed.

43

AI AGENTS

- ▶ Autonomous task-delivery pipeline
- ▶ OpenAI, Anthropic, Google, Groq, xAI, Mistral, AI21
- ▶ Bitcoin, Ethereum, XRP Ledger, Solana
- ▶ Automated QA review & security scanning

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LLM PROVIDERS

- ▶ Multi-agent planning & execution
- ▶ 30+ REST API endpoints with SSE streaming
- ▶ PDF, HTML, Markdown, JSON, SQL, DALL-E 3
- ▶ Tiered LLM routing with intelligent caching

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BLOCKCHAINS

30+

API ENDPOINTS

TECHNOLOGY STACK

LANGUAGES

JavaScript, TypeScript, Python, C#, Solidity, SQL, HTML/CSS

CLOUD & INFRASTRUCTURE

AWS, Azure, GCP, Docker, Kubernetes, Terraform, Pulumi

AI / ML

OpenAI GPT-4o, Claude, Gemini, Groq Llama, Grok, Multi-LLM Consensus

FRAMEWORKS & TOOLS

React, Node.js, Express, GraphQL, GitHub Actions, PostgreSQL, MongoDB

BLOCKCHAIN

XRPL, Ethereum, Bitcoin, Solana, Web3, Solidity, xrpljs, ethers.js

SECURITY

STIG, RMF, Zero-Trust, Pen Testing, FedRAMP, Automated Scanning

CONTACT INFORMATION

COMPANY DETAILS

Company: Heinrichs Software Solutions LLC
Owner: Derek Heinrichs, Founder & CEO
Entity: Single-Member LLC (Florida)
Veteran Status: 100% Service-Connected Disabled Veteran
Location: Florida, United States

CERTIFICATIONS & REGISTRATIONS

- ✓ SDVOSB — Service-Disabled Veteran-Owned
- ✓ VOSB — Veteran-Owned Small Business
- ✓ SAM.gov — Active registration
- ✓ Florida LLC — Registered & active
- ✓ CAGE Code — Pending

CONTACT

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