GENTRY
PROFESSIONAL SERVICES

Empowering Organizations with Innovative Cloud, Container and High-Performance Computing Solutions

DESIGNING AND IMPLEMENTING EFFECTIVE COMPUTING SOLUTIONS TO HELP YOU SUCCEED

Gentry Professional Services is a software and engineering solutions provider that empowers organizations to design and implement effective solutions for their cloud, container, embedded, data orchestration, and high-performance computing needs.

At Gentry Professional Services, we are committed to leveraging the power of simplicity to solve a wide range of problems. We believe that by utilizing open standards and composing systems together, we can tackle even the toughest challenges.

Our team is experienced in designing and expanding space capabilities and introducing next-generation industry advancements to existing mission-critical platforms. Our previous successes include providing high-performance computing and ground processing solutions, architecting and implementing TRL 9 software, micro-containerizing large software packages to optimize performance on embedded platforms, and delivering highly available systems with 99.99% uptime.

Gentry Professional Services is a small but dedicated team of experts that has been successfully supporting major Fortune 100 companies in solving their most difficult technical challenges. With a steadfast commitment to excellence, our team is fueled to empower organizations to deliver innovative and streamlined solutions to their customers.

Gentry Professional Services
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Established:
2013 in the State of Arkansas

Business Type:
S-Corporation

Locations:
Nationwide

CAGE Code:
74R32

DUNS Number:
079096147

Unique Entity Identifier:
D6TLYLTY7J19

Socio-Economic Categories:
Small Business Entity
Nontraditional Defense Contractor

North American Industry Classification System

541330: Engineering Services

541511: Custom Computer Programming Services

541512: Computer Systems Design Services

541611: Administrative Management and General Management Consulting Services

EXPERIENCE

Embedded Software Development
Gentry Professional Services has delivered robust and user-friendly software in small packages, designed to run on embedded platforms with highly restrictive hardware constraints. These systems are designed for minimal resource usage, fast boot times, low end-to-end latency, and adherence to open standards.

Container Solutions
Designing space-ready systems with containers at their core can provide increased portability, isolation, security, and resilience. With decades of experience deploying container-based systems at global scale, we specialize in decomposing monoliths into microservices, automating CI/CD pipelines, and micro-containerizing legacy systems for enhanced efficiency and resilience.

Cloud-Native Architecture
We are experts in designing reusable cloud-native architectures that are built on commodity hardware to ensure cost-effectiveness while still providing high resilience. To improve performance, flexibility, and scalability, we focus on building distributed, multi-cluster, heterogeneous infrastructures driven by open-standard software interfaces.

Middleware
Our strategy for middleware systems emphasizes interoperability by utilizing a combination of technologies, such as gRPC sidecars, open standards-based APIs, standard workflow DSLs, and embracing event-driven architecture. This approach enables seamless integration and communication between applications, resulting in loosely coupled, event-driven and upgradeable systems.

Space Systems Engineering
Beyond cloud- and container-native specialties, our engineers have extensive experience designing, implementing, and deploying software solutions in the space sector including applications focused on digital signal processing algorithms as well as TRL 9 architectures for high performance, distributed computing for ground systems.

RELIABLE TEAM
Gentry Professional Services is a US defense subcontractor, and as such, commercial companies now benefit from the rigorous public sector processes we already hold in place. Our team consists of expert professionals with globally recognized industry certifications and an average of more than 35 years of experience.

"They're flexible, and there's this overarching feeling that 'We're here to help; we can engage, solve the problems, make an impact.' They merge in with the team well, roll up their sleeves and do anything and everything they can to support."

—U.S. GOVERNMENT CONTRACTOR

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