

NEURION SYSTEMS LLC

Senior cloud architecture, secure backend engineering, & AI-integrated software for federal modernization.

Melissa, TX
WOSB · SDB · SAM.gov Active

WOSB	SDB	SAM.gov ACTIVE	Deloitte GPS Approved
------	-----	----------------	-----------------------

ABOUT

Neurion Systems LLC is a small business delivering senior-grade cloud solutions architecture, distributed systems design, and full-stack software engineering for federal modernization and commercial enterprise programs. Our practice is anchored by 20+ years of production engineering leadership and a U.S. AI patent holder leading technical strategy. Dually certified as a Woman-Owned Small Business (WOSB) and Small Disadvantaged Business (SDB), Neurion offers prime contractors two-category subcontracting plan credit on awarded work.

CORE CAPABILITIES

Cloud Solutions Architecture • AWS-native architecture: ECS, Lambda, RDS, DynamoDB, S3, API Gateway, Bedrock • Well-Architected reviews; multi-account / multi-region designs • Migration assessments and modernization roadmaps Backend & Distributed Systems • Node.js, Python, Java microservices and APIs • Event-driven architectures (SQS, SNS, EventBridge, Kafka) • REST, GraphQL, gRPC API design; database modeling & performance Full-Stack & Platform Engineering • React, Next.js, TypeScript; iOS/Android (Expo, React Native) • Production CI/CD across multi-repo platforms	AI / ML Integration • LLM application engineering: RAG, agents, tool use, structured outputs • AWS Bedrock, OpenAI, Anthropic integration patterns • Vector databases, embeddings, retrieval pipelines, eval & guardrails DevSecOps & Cloud Security • IaC with Terraform / CDK / CloudFormation • Zero-Trust patterns, IAM design, KMS, Secrets Manager • FedRAMP-aligned controls; NIST 800-53 / 800-171 awareness Solutions & Pre-Sales Engineering • Technical discovery, capability briefings, architecture workshops • Capture support and reference architectures
--	---

DIFFERENTIATORS

Senior-only delivery. No junior pass-throughs. Engagements led by a U.S. AI patent holder and former IBM Staff Engineer with 20+ years of production experience.	Dual-certification subcontracting credit. Awards count toward both WOSB and SDB goals in prime subcontracting plans.
Cloud-native AI specialization. Modern AI / LLM / RAG application engineering on AWS Bedrock and adjacent platforms.	End-to-end delivery capability. Architecture through implementation through deployment — backend, frontend, mobile, infrastructure, and AI in one team.

KEY PERSONNEL EXPERIENCE

Neurion is a newly established firm. Key personnel bring two decades of individually delivered enterprise engagements:

Engagement	Role	Scope
Enterprise AI / Platform R&D	Staff Engineer (IBM)	Led applied AI engineering resulting in a U.S. patent; delivered production capabilities across client portfolio.
E-Commerce Platform Engineering	Senior / Lead Engineer (Saks Off 5th)	Architected and delivered high-traffic e-commerce backend; payment, inventory, and search integration.
Insurance & FinTech Platforms	Senior Engineer (Group 1001)	Backend services for regulated financial products; third-party data integration.
Media Streaming & Content	Engineer (Viacom / MTV)	Scalable backend & integration layers for consumer media applications.
Founder-Led Platform (Patrek Inc.)	Founder / CTO	Solo design and delivery of multi-platform (iOS, Android, Web) AWS platform: Spring Boot, Next.js, RDS, ElastiCache, Bedrock, Cognito, Stripe.

NAICS CODES

NAICS	Description	Designation
541511	Custom Computer Programming Services	Primary
541512	Computer Systems Design Services	Secondary
541519	Other Computer Related Services	Secondary
518210	Computing Infrastructure Providers, Data Processing, Web Hosting, & Related Services	Secondary
541715	Research and Development in the Physical, Engineering, and Life Sciences	Secondary
541618	Other Management Consulting Services	Secondary

TECHNICAL ENVIRONMENT

Category	Stack & Tools
Cloud	AWS (primary): ECS Fargate, Lambda, RDS, Aurora, DynamoDB, ElastiCache, S3, API Gateway, CloudFront, Cognito, Bedrock, KMS, Secrets Manager
Backend	Node.js (Express, NestJS); Python (FastAPI); Java (Spring Boot)
Frontend / Mobile	React, Next.js, TypeScript; React Native / Expo
Data	PostgreSQL, DynamoDB, Redis, pgvector, OpenSearch, S3 data lakes
AI / ML	AWS Bedrock, OpenAI / Anthropic APIs, LangChain / LangGraph, RAG, agent frameworks
Infrastructure as Code	Terraform, AWS CDK, CloudFormation, GitHub Actions
Security	IAM, KMS envelope encryption, OAuth 2.0 / OIDC, WAF, mTLS, OWASP-aligned hardening
Observability	CloudWatch, X-Ray, OpenTelemetry, structured logging, distributed tracing

PRIME PARTNERSHIPS & VENDOR REGISTRATIONS

Prime / Platform	Status
Deloitte GPS Vendor Connect	Approved Vendor — Active
Accenture Federal Supplier Portal	Registered — Active
SAM.gov (System for Award Management)	Active registration
SBA Dynamic Small Business Search (SBS)	Active profile
Leidos, Booz Allen, GDIT, CACI, SAIC	Registration in progress

CERTIFICATIONS & SOCIO-ECONOMIC DESIGNATIONS

Woman-Owned Small Business (WOSB) Self-certified via SBA certify.sba.gov	Small Business Under all primary and secondary NAICS
Small Disadvantaged Business (SDB) Self-represented in SAM.gov	8(a) Business Development Program Application in development

COMPANY DATA & PRIMARY CONTACT

Legal Name: Neurion Systems LLC	Primary Contact: Obioma Eke-Okoro
UEI: KG5JS3CA72P8	Title: Managing Member / Owner
CAGE Code: 16FJ1	Email: contracts@neurionsystems.com
State of Formation: Texas	Phone: (856) 534-5973
Business Address: Melissa, TX	Website: www.neurionsystems.com
Year Established: 2025	Certifications: WOSB · SDB
SAM.gov Status: Active	Vendor Status: Deloitte GPS Approved

For subcontracting and teaming inquiries, contact Obioma Eke-Okoro at contracts@neurionsystems.com or (856) 534-5973. Neurion Systems is available for capability briefings, teaming discussions, and proposal support.