

Bethlehem Software LLC

Veteran Owned Small Business

Phoenix, Arizona

UEI: RV3JBTE8DMK3

CAGE: 19G99

Primary NAICS: 541511 – Custom Computer Programming Services

COMPANY OVERVIEW

Bethlehem Software LLC is a Veteran Owned Small Business providing secure, production-grade software engineering, systems integration, and legacy modernization services. The company is led by a senior engineer with over 20 years of experience designing, deploying, and maintaining mission-critical software systems in live operational environments, including SaaS platforms, EDI processing systems, and secure business portals.

CORE COMPETENCIES

- Secure full-stack application development
- API design and systems integration
- EDI and structured data processing systems
- Role-based access control and authentication systems
- Multi-tenant SaaS architecture
- Business workflow automation and reporting systems
- Legacy system migration and modernization
- Cloud and on-premise deployment environments
- Audit logging and operational traceability
- Performance optimization and production support

TECHNICAL CAPABILITIES

- Backend service architecture and transaction processing systems
- Structured data normalization and exchange pipelines
- Secure user identity and access management
- Inventory, ordering, and workflow management platforms
- Event-driven processing and automated moderation systems
- Database architecture and query optimization
- Infrastructure deployment, monitoring, backup, and recovery
- CI/CD and repeatable deployment processes

DIFFERENTIATORS

- 20+ years of hands-on production software engineering experience
- Experience modernizing critical transaction-processing systems
- Direct senior engineer involvement on every engagement
- Emphasis on secure, auditable, and maintainable system design
- Low overhead structure enabling responsive and cost-efficient delivery
- Background in mission-critical systems supporting operational readiness

REPRESENTATIVE EXPERIENCE

Secure SaaS Platforms

Designed and deployed multi-tenant SaaS platforms supporting authenticated users, customer-

specific pricing, inventory tracking, structured workflows, audit trails, reporting dashboards, and API endpoints. Systems were deployed in cloud environments with a focus on performance, security, and operational stability.

EDI and Transaction Processing Systems

Led migration and modernization of structured transaction-processing systems handling industry-standard document formats. Designed APIs for posting, retrieving, validating, and formatting electronic documents while improving performance and scalability.

Business Systems Engineering

Developed internal portals supporting scheduling, issue tracking, data exchange, and reporting workflows. Implemented secure authentication, role-based permissions, and system-wide access controls to improve operational efficiency.

LEGACY MODERNIZATION EXPERIENCE

Refactored and migrated aging platforms to modern architectures while maintaining continuity of service. Improved maintainability, deployment consistency, and long-term scalability without full system replacement.

ENGAGEMENT MODEL

- Requirements-driven technical discovery
- Structured delivery with defined milestones
- Integrated testing and documentation
- Production deployment with rollback planning
- Long-term sustainment and operational support

POINT OF CONTACT

John Khalil
Managing Member and Principal Engineer
Email: admin@bethlehemsoftware.com
Phone: 619-322-3525
Website: <https://bethlehemsoftware.com>