

## About the Client

A U.S.-based healthcare solutions provider focused on improving operational governance in hospital procurement. Their flagship goal is to digitize and optimize value analysis processes—where hospitals evaluate medical product efficacy, cost, and compliance before purchase—across complex multi-location networks.

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## Industry

Healthcare | HealthTech | Cloud SaaS | Procurement Automation | Hospital IT

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## Project Title





Hospital Value Analysis and Procurement Approval Platform

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## Scope of Work

- Build a **centralized cloud platform** for product evaluations, approvals, and procurement tracking
  - Integrate with **hospital systems, vendor platforms, and review boards** for smooth interoperability
  - Implement **Azure cloud infrastructure** with role-based access and secure workflows
  - Design **collaborative dashboards**, alerts, and real-time audit trails
  - Enable future scalability for AI/ML features and analytical reporting
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## Key Challenges

Challenge	Details
 <b>Backend Integration</b>	Legacy systems with fragmented manual processes created integration hurdles
 <b>Interoperability</b>	Seamless data exchange required between multiple hospital and vendor systems
 <b>Scalability</b>	Future-proof modularity needed for AI-driven analytics & expansion
 <b>Security &amp; Compliance</b>	Must adhere to <b>HIPAA, HITRUST</b> , and internal IT audits

## Solutions Implemented

Solution Area	Description
 <b>Modular Architecture</b>	Developed using <b>.NET Core microservices</b> for extensibility and plug-and-play module enhancements
 <b>Cloud Hosting</b>	Deployed on <b>Microsoft Azure App Services</b> , with <b>Blob Storage</b> , <b>Azure SQL</b> , and <b>Azure Functions</b>
 <b>Secure APIs</b>	RESTful APIs with <b>OAuth2</b> , <b>Azure Active Directory</b> , and encryption for third-party integrations
 <b>User-Centric Workflow</b>	Created Angular-based role-specific dashboards, task automation, and collaborative value analysis processes
 <b>Comprehensive QA</b>	Achieved <b>95%+ automated test coverage</b> , CI/CD integration, and regression testing via Azure DevOps
 <b>Audit &amp; Governance</b>	Enabled full audit logging, digital sign-offs, and real-time compliance document generation

## Technology Stack

Layer	Stack
<b>Frontend</b>	Angular, HTML5, SCSS, TypeScript
<b>Backend</b>	.NET Core, C#, ASP.NET Web APIs
<b>Database</b>	Azure SQL, PostgreSQL
<b>Cloud</b>	Microsoft Azure (App Services, Functions, Key Vault, Blob Storage, Azure SQL)
<b>Integration</b>	REST APIs, OAuth2, Azure Active Directory
<b>CI/CD &amp; DevOps</b>	Azure DevOps Pipelines, GitHub, Docker
<b>Security</b>	Role-Based Access Control (RBAC), Data-at-Rest Encryption, HIPAA/HITRUST best practices

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## Suventure's Role as Strategic Partner

Suventure led the **end-to-end digital transformation** initiative across the entire platform lifecycle:

- Designed the **architecture, APIs, and user journeys**
- Developed all frontend and backend modules using agile delivery
- Created a **compliance-ready platform** aligned with HIPAA, HITRUST, and internal audit requirements
- Enabled **HL7/FHIR compatibility planning** for Phase II integration with EMR/EHR systems
- Setup full **DevOps automation, Azure infrastructure, and security measures**



- Delivered **on-time MVP in 16 weeks**, supported by iterative UAT and stakeholder sign-offs
- Provided **post-launch support**, roadmap consultation, and performance tuning

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## Results Achieved

Metric	Outcome
<b>Time to Launch</b>	MVP delivered in <b>16 weeks</b> despite complex third-party and legacy system integration
<b>Operational Cost Savings</b>	<b>30–40% reduction</b> in manual approvals and paper-based workflows
<b>Workflow Digitization</b>	100% digitization of procurement approvals across <b>40+ hospitals</b>
<b>Governance Readiness</b>	Enabled real-time audit trails and <b>compliance documentation</b>
<b>User Adoption</b>	Achieved <b>85% staff adoption</b> within the first 3 months
<b>Process Efficiency</b>	Reduced average procurement approval time from <b>18 days to 6 days</b> (67% faster)
<b>Client ROI</b>	Estimated <b>\$480,000 annual savings</b> in admin and manual labor costs

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## Client Testimonial

“Partnering with Suventure was a strategic decision that paid off. Their ability to understand the intricacies of healthcare procurement and translate them into a robust, scalable cloud platform exceeded expectations. We gained transparency, speed, and governance all in one solution.”

— **Product Director, Leading U.S. Healthcare Company**