

Accelerate Business Value through **Software Product Engineering & Development**










In this age of digital reform and constantly evolving modern technologies, enterprises are poised for disruptive innovation. The challenges are multi-fold: meeting demands for faster time to market, keeping pace with increasing digital adoption, fostering customer engagement, managing escalating costs of operations, securing the enterprise to combat cyberattacks - to name a few!

In this dynamic climate and at a time when digital technologies have become a lifeline, traditional software engineering approaches are fast losing relevance since they are not flexible enough to quickly adapt and scale.

At GS Lab | GAVS, we take great pride in being frontline agents of change, driving excellence across the enterprise. GS Lab | GAVS' software product engineering services & solutions are pivoted on a **'Digital First' strategy led by AI/ ML, Automation, Cloud, Big Data, Analytics, and DevSecOps.**

We empower organizations to accelerate business outcomes by innovation in and rapid development of mission critical applications through **Product Engineering, Re-Engineering, Development, Sustenance & Evolution, Platform Migration & Modernization.**

End-to-End Software Product Engineering & Development Services

 Ideation & Innovation	 Requirements Gathering & Prototype Development	 Use Case Development
 Product Architecture, Technology & Design	 Automated DevSecOps-driven Development	 Security 360
 Integration with Enterprise Applications	 Automated SQA & Release Management	 Product Support, Maintenance & Value Engineering

The Differentiators

- Zero Incident Enterprise™ through AI-led ITOps Automation with **GS Lab | GAVS' AIOps Platform ZIF™**
- Secure Cloud Enablement with **GS Lab | GAVS' Cloud Orchestration Platform zIrrus**
- Data-centric Architecture built on **GS Lab | GAVS' Blockchain Based Data Fabric Framework Rhodium** for data transparency & trust
- Global Product Engineering Team of 100+ cross-functional engineers with rich industry experience
- Dedicated Product Engineering Center of Excellence (CoE) to drive customer vision
- Robust Partner Ecosystem that includes research institutions, innovation hubs, and extensive network of qualified suppliers

Capability Highlights

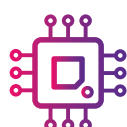
- State-of-the-art, ready-to-use technology platforms & solution accelerators
- Technical expertise in emerging technologies - Java & .NET, Xamarin, Ab Initio, Docker, MicroStrategy, Tableau, Power BI, SQL Server, Teradata, Oracle, AWS/ Azure/ GCP stacks
- Rapid innovation & time to market using Agile methodologies & DevSecOps (CI/ CT/ CD)
- End-to-end fully automated DevSecOps & container orchestration with **ZIF™**
- Low-Code/ No-Code development platform for quick, iterative releases
- Adaptive UI/ UX for inclusive, human-centric design
- 360° data security - data in transit & at rest
- AI-led SQA with Level 5 Automation, integrated into the DevSecOps pipeline
- Integration of security best practices across the product development lifecycle
- Proactive incident & security threat management using **ZIF™**
- Cloud migration, cloud-enabled DevSecOps, and Environment as a Service (EaaS) with **zIrrus**
- Fully scalable and clustered environment to deliver high uptime & performance
- PCI-DSS & ISO compliant and certified
- Regulatory & operational compliance, data ownership management with **Rhodium**

Design for Purpose - Software Product Engineering & Development Services - Tailored for your Industry



Operational Excellence

Budgeting & Financial Reporting, ERP & CRM, Operations Advisor



Integrated Technology Platforms

Purchasing, Billing, Claims, Financial, Data Analytics



Data Management & Analytics

Data Management: Data Integration & Interoperability

Performance Management: Dashboards for Financial, Operational Insights

Advanced Analytics: AI/ ML-led Predictive & Prescriptive Insights

- Financial Intelligence
- Operational Intelligence
- Device Intelligence
(ex: device failure prediction and remediation)



Enterprise Value Chain

Employee Portals, Cloud/ Mobile Apps, NLP & Chatbots, Device Firmware Development/ Re-engineering, Regulatory Reporting, Enhancement & Support for Industry-specific Applications



Performance Improvement

BI Solutions, Scorecards, Quality Measures Reporter, Executive Dashboards for Performance, Surveillance & Decision Support

Customer Success Stories

Need	Solution	Outcomes
A leader in data management solutions required a transformative product to modernize their data collection and handling processes.	Development, management, and production support for their flagship product and a fully integrated suite of solutions, through end-to-end product engineering driven by DevOps & automation tools	<ul style="list-style-type: none">• Market leadership driven by unparalleled product performance and customer experience• Reduced fulfilment time for environment/ infrastructure provisioning• Significant reduction in infrastructure maintenance costs, through automation

Need	Solution	Outcomes
One of the fastest growing insurance companies serving ~1.2M members in NY, was challenged by delays in ticket resolution & go-to-market, and a high-risk, unsecured environment.	Fully automated deployments with DevOps support, ServiceNow integration, Jenkins CI/ CD pipeline automation, on-demand infra integration, QA automation, and 24x7 Service Desk & remote SOC	<ul style="list-style-type: none">• Increase in deployment success rate from 60% to 96%• 90% faster application delivery due to automation• 300% acceleration of security incident discovery

Need	Solution	Outcomes
One of the largest agricultural lending organizations in the U.S. required a robust loan system addressing agricultural lending challenges and supporting customized products in farm credit.	'Farm Credit Express' customized & integrated with 'Credit Delivery'. Document generation & management revamped as cloud service. Microservices-based highly automated futuristic loan processing system with Enterprise Service Bus integrating channels & vendor products	<ul style="list-style-type: none">• Highly automated solution reducing loan processing to <5 days from 85-90 days• Scalable, modular, flexible architecture aligned with business• Cost-effective solution based on GS Lab GAVS' SOA adoption principles

Need	Solution	Outcomes
One of America's leading health plan providers required transformative solutions to modernize their offerings and improve overall process efficiencies while reducing operational costs.	Highly flexible, scalable, and automated process models through XaaS - Everything-as-a-Service, API Management and AI/ ML-led Digital Transformation	<ul style="list-style-type: none"> • Accelerated time to market by reorienting business capabilities • Enabled secure innovation • Increased interoperability and agility

Need	Solution	Outcomes
A leading healthcare provider processing claims using a legacy-based rule engine, required a re-platforming of their Perl applications – roughly 24,000 in number, to Microsoft Azure.	Re-engineered the legacy system and enabled digital transformation by re-platforming their applications on the cloud through lift & shift, migrate & integrate, and refactor & upgrade.	<ul style="list-style-type: none"> • HelpImproved scalability & flexibility of systems • Enabled extensibility to support quick incorporation of new requirements • Improved security through data encryption mechanisms

Need	Solution	Outcomes
A customer delight company required a new software development environment to enable collaborative, cost-effective, and rapid development of customer solutions by their geographically distributed teams.	Complete Environment-as-a-Service on Azure catering to end-to-end infrastructure and development environment needs, delivering the flexibility, scalability and cost optimizations of a cloud platform	<ul style="list-style-type: none"> • Effective collaborative development & implementation across distributed teams • Reduced costs of development, infrastructure management, licenses • Ability to meet aggressive time-to-market



GS Lab | GAVS is a global technology company focused on creating business impact for its 200+ customers across the USA, Europe, the Middle East, and APAC. It offers digital product engineering, AI-led managed services, and digital transformation services to customers across BFSI, healthcare, communications, and high-tech segments. With 4000+ technologists and a strong talent grooming engine, it is a trusted growth partner to its customers.

The company focuses on deep tech engineering skills, innovative win-win business models, and customer success. Its IPs, such as ZIF™, zIrrus, Rhodium, and zDesk, help accelerate technology adoption and reduce inefficiencies in operations.

For more information on how GS Lab | GAVS can help solve your business problems, write to inquiry@gavstech.com or visit us at www.gavstech.com