## 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 GAVS, we take great pride in being frontline agents of change, driving excellence across the enterprise. 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 **GAVS' AIOps Platform ZIF**

- Secure Cloud Enablement with **GAVS' Cloud Orchestration Platform zIrrus**

- Data-centric Architecture built on **GAVS' Blockchain Platform Rhodium** for data transparency & trust

- Global Product Engineering Team of 100+ cross-functional engineers with rich industry experience

- Dedicated Product Engineering CoE to drive customer vision

- Robust Partner Ecosystem that includes research institutions, innovation hubs, and extensive network of qualified suppliers
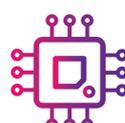
## Capability Highlights

- 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 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 | • Market leadership driven by unparalleled product performance and customer experience<br>• Reduced fulfilment time for environment/infrastructure provisioning<br>• 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 | • Increase in deployment success rate from **60%** to **96%**<br>• **90%** faster application delivery due to automation<br>• **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 | • Highly automated solution reducing loan processing to **< 5** days from **85-90** days<br>• Scalable, modular, flexible architecture aligned with business<br>• Cost-effective solution based on 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 | • Accelerated time to market by reorienting business capabilities<br>• Enabled secure innovation<br>• 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. | • HelpImproved scalability & flexibility of systems<br>• Enabled extensibility to support quick incorporation of new requirements<br>• 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 | • Effective collaborative development & implementation across distributed teams<br>• Reduced costs of development, infrastructure management, licenses<br>• Ability to meet aggressive time-to-market |

# GAVS

GAVS Technologies is focused on automation-led digital transformation services. GAVS' IP led solution, Zero Incident Framework™ is an AIOps solution that enables organizations to trend towards a Zero Incident Enterprise™.

For more information on how GAVS can help solve your business problems, write to inquiry@gavstech.com

www.gavstech.com