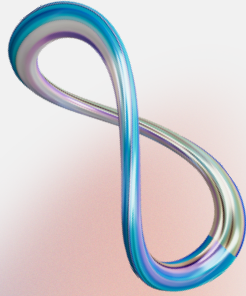


Web Development Services

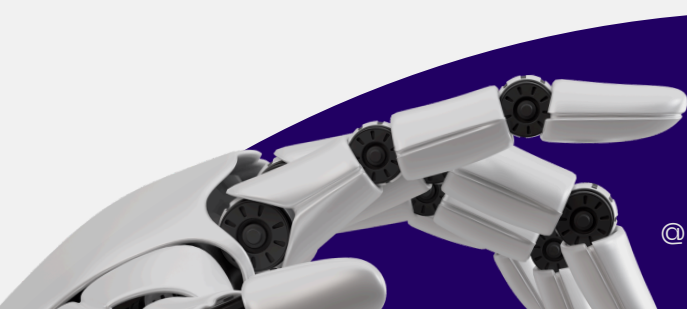
*Build Scalable,
Secure, and
Future-Ready
Digital Platforms*



Web Development Services



- Introduction
- Our Web Development Capabilities
- Technology and Platform Stack
- Business Outcomes You Can Expect
- End-to-End AI Implementation Lifecycle
- Why Choose Hanumanta Consulting for Web Development
- Common Questions About Web Development





Introduction

In today's digital-first economy, your web platform is often the first—and sometimes only—point of interaction between your business and customers. It's your storefront, your service desk, your sales engine, and your brand ambassador all at once.

Modern web development isn't just about building websites—it's about creating high-performance, scalable, and intelligent digital ecosystems that support business growth, adapt to market changes, and deliver exceptional user experiences.

At Hanumanta Consulting, we design and build modern web applications that combine performance, security, user experience, and scalability. Whether you're launching a new digital product, modernizing a legacy system, or scaling an existing platform, we help you innovate faster and serve customers better.

Our Web Development Capabilities

- Custom Web Application Development
- Frontend Engineering & User Experience
- Backend & API Development
- Cloud-Native Web Solutions
- System Integration & Modernization





1) Custom Web Application Development

Build tailor-made digital solutions aligned with your business workflows and growth strategy.

Off-the-shelf software forces your business to adapt to the technology. Custom web applications adapt the technology to your business—giving you competitive differentiation and operational efficiency.

What we build:

- **Enterprise Web Applications**

Complex business systems that manage operations, workflows, data, and user interactions across your organization. Built for scale, security, and integration with existing enterprise systems.

- **SaaS Product Development**

Multi-tenant platforms that serve multiple customers from a single codebase. Designed for rapid scaling, subscription management, and continuous deployment.

- **Business Process Automation Platforms**

Digital tools that eliminate manual work, reduce errors, and accelerate operational workflows—from approval processes to data collection to reporting.

- **Customer Portals & Self-Service Platforms**

Enable customers to access information, place orders, track status, manage accounts, and get support without requiring human intervention—reducing operational costs while improving customer satisfaction.

- **Internal Tools & Admin Panels**

Purpose-built applications for operations teams, content management, data administration, and business intelligence.

- **E-commerce & Marketplace Platforms**

Custom shopping experiences, B2B ordering systems, and multi-vendor marketplaces with payment processing, inventory management, and order fulfillment.

Why it matters: Generic solutions get you 80% of the way there—but that last 20% is often where your competitive advantage lives. Custom development lets you build exactly what your business needs.





2) Frontend Engineering & User Experience

Create modern, responsive, and user-friendly interfaces that work flawlessly across devices.

First impressions happen in milliseconds. A slow, confusing, or broken interface drives users away before they experience your product's value.

Our frontend capabilities:

- **Responsive UI Development**

Interfaces that adapt seamlessly from desktop monitors to tablets to smartphones. One codebase, optimized for every screen size.

- **Progressive Web Applications (PWA)**

Web apps that feel like native mobile apps—working offline, sending push notifications, installing to home screens, and loading instantly.

- **Performance-Optimized Interfaces**

Fast-loading pages through code splitting, lazy loading, image optimization, and efficient rendering. Every millisecond of load time matters for conversion rates and user experience.

- **Modern JavaScript Frameworks**

Built with React, Vue, Angular, or Next.js—choosing the right framework based on your project requirements, team expertise, and scalability needs.

- **Component-Based Architecture**

Reusable UI components that ensure consistency, speed development, and make updates easier to manage.

- **Accessibility & Inclusive Design**

WCAG-compliant interfaces that work for users with disabilities—meeting legal requirements while expanding your addressable market.

- **Cross-Browser Compatibility**

Testing and optimisation across Chrome, Firefox, Safari, Edge, and mobile browsers to ensure consistent experiences.

Why it matters: : Backend systems can be perfect, but users only experience your frontend. Great UX is the difference between customers who stay and customers who leave.





3) Backend & API Development

Enable systems to understand, process, and generate human language.

Most business information lives in unstructured text—emails, documents, support tickets, contracts, reviews. NLP unlocks this data for analysis and automation.

Our backend development services:

- **Microservices Architecture**

Break monolithic applications into independent, scalable services that can be developed, deployed, and scaled independently. Reduces risk and enables faster iteration.

- **REST & GraphQL API Development**

Build robust APIs that enable frontend applications, mobile apps, and third-party integrations to interact with your systems efficiently and securely.

- **Cloud-Native Backend Systems**

Architectures designed for cloud environments—leveraging managed services, horizontal scaling, and resilience patterns.

- **Database Design & Optimization**

Schema design, query optimization, indexing strategies, and database selection (SQL vs. NoSQL) based on your data access patterns and scale requirements.

- **Authentication & Authorization**

Secure user management with OAuth, JWT, multi-factor authentication, role-based access control, and single sign-on (SSO) integration.

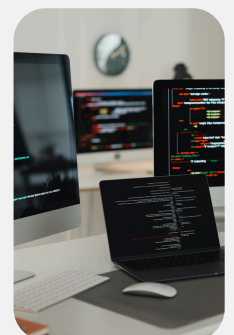
- **Real-Time Features**

WebSocket implementations, server-sent events, and real-time data synchronization for collaborative tools, live dashboards, and instant notifications.

- **Background Job Processing**

Asynchronous task queues for sending emails, processing uploads, generating reports, or any long-running operations that shouldn't block user interactions.

Why it matters: : A beautiful frontend on top of a fragile backend is like a sports car with a broken engine. Backend architecture determines your application's scalability, security, and reliability.





4) Cloud-Native Web Solutions

Build applications designed for scalability, reliability, and cost optimization from day one.

Modern applications are born in the cloud. Cloud-native architecture isn't just about hosting—it's about designing systems that leverage cloud capabilities for automatic scaling, high availability, and operational efficiency.

Our cloud-native services:

- **Cloud Migration & Modernization**

Move legacy applications from on-premises infrastructure to AWS, Azure, or Google Cloud—replatforming for cloud-native capabilities without complete rewrites.

- **Serverless Application Development**

Build applications using AWS Lambda, Azure Functions, or Google Cloud Functions—paying only for actual compute time with automatic scaling and zero server management.

- **Containerized Application Deployment**

Package applications in Docker containers and orchestrate with Kubernetes for consistent deployments across environments and easy scaling.

- **Infrastructure as Code**

Automated infrastructure provisioning using Terraform, CloudFormation, or ARM templates—ensuring consistency and enabling rapid environment creation.

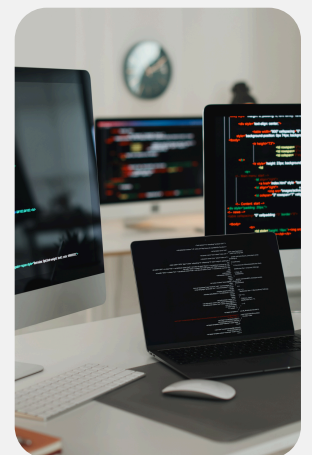
- **Cloud Performance Optimisation**

Right-size resources, implement caching strategies, optimize data transfer, and leverage CDNs to improve performance while reducing costs.

- **Multi-Region & High Availability**

Design systems that survive datacenter failures, scale across geographic regions, and maintain 99.9%+ uptime.

Why it matters: Cloud-native architecture enables you to scale from 10 users to 10 million without architectural rewrites. You pay for what you use and gain resilience that's impossible with traditional hosting.





5) System Integration & Modernization



Connect legacy systems with modern digital platforms—no rip-and-replace required.

Most businesses have existing systems that hold critical data and business logic. Successful digital transformation integrates with what works while modernizing what doesn't.

Our integration capabilities:

- **Third-Party API Integration**

Connect with payment gateways (Stripe, PayPal), CRMs (Salesforce, HubSpot), accounting systems (QuickBooks, Xero), shipping providers, marketing automation platforms, and hundreds of other SaaS tools.

- **Legacy System Modernization**

Extract value from legacy systems by building modern APIs on top of them, migrating data incrementally, or creating facade layers that hide complexity.

- **Data Platform Integration**

Synchronize data between operational systems, data warehouses, analytics platforms, and business intelligence tools—ensuring consistent information across your ecosystem.

- **Enterprise Application Connectivity**

Integrate with SAP, Oracle, Microsoft Dynamics, or other enterprise systems using standard protocols, message queues, or custom connectors.

- **Event-Driven Architecture**

Design systems that communicate through events and message queues (Kafka, RabbitMQ, AWS SQS)—enabling loose coupling and asynchronous processing.

- **API Gateway & Management**

Centralized API management for rate limiting, authentication, monitoring, and versioning across multiple backend services.

Why it matters: The average enterprise uses 110+ SaaS applications. Integration isn't optional—it's how modern businesses operate. Good integration eliminates data silos and manual data entry.

Technologies & Platforms We Work With

We build with modern, proven technologies:

- **Frontend Technologies**

React • Next.js • Vue.js • Angular • TypeScript • Tailwind CSS

- **Backend Technologies**

Node.js • .NET Core • Python (Django/FastAPI) • Java (Spring Boot) • Go

- **Cloud Platforms**

AWS (Lambda, ECS, RDS, S3, CloudFront) • Azure (App Service, Functions, Cosmos DB) • Google Cloud (Cloud Run, Cloud Functions, Cloud SQL)

- **Databases**

PostgreSQL • MySQL • SQL Server • MongoDB • Redis • DynamoDB

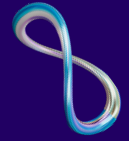
- **DevOps & Infrastructure**

Docker • Kubernetes • Terraform • GitHub Actions • GitLab CI • Jenkins

- **API & Integration**

REST • GraphQL • WebSockets • Message Queues (RabbitMQ, Kafka, SQS)





Business Outcomes You Can Expect

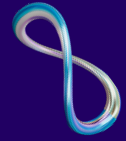
Working with Hanumanta Consulting delivers measurable business results:

Unveiling the Multifaceted Benefits of Modern Development Practices

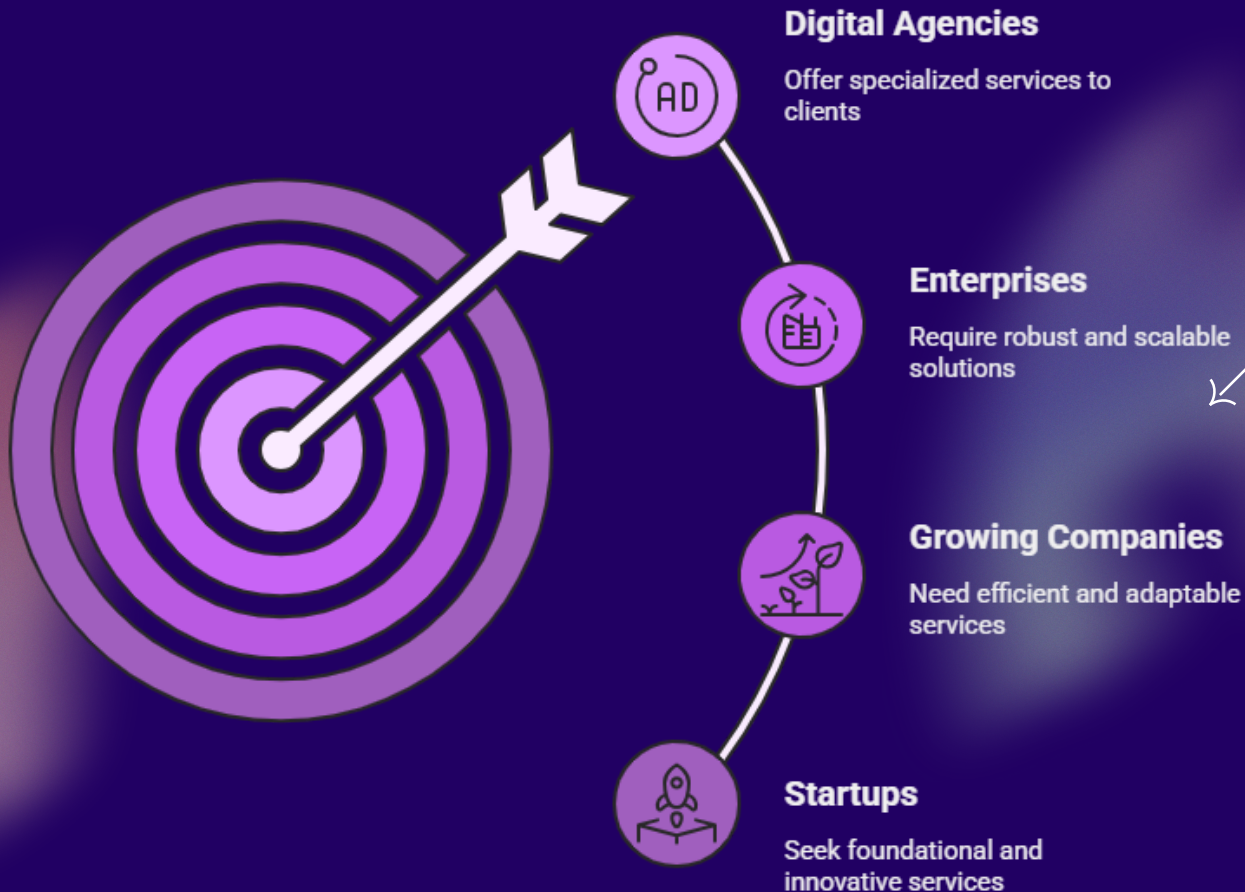




Development Services by Business Need



Development Services Tailored for Business Stages



- **For Startups**

MVP development, rapid prototyping, cloud-native architecture, scalable foundations, iterative feature development

- **For Growing Companies**

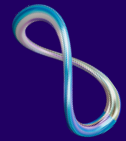
Platform modernization, performance optimization, system integrations, mobile-responsive redesigns, automation of manual processes

- **For Enterprises**

Legacy system modernization, enterprise application development, multi-region deployment, high-availability architecture, compliance and security

- **For Digital Agencies**

White-label development, technical partnership, complex project execution, API development, custom CMS solutions

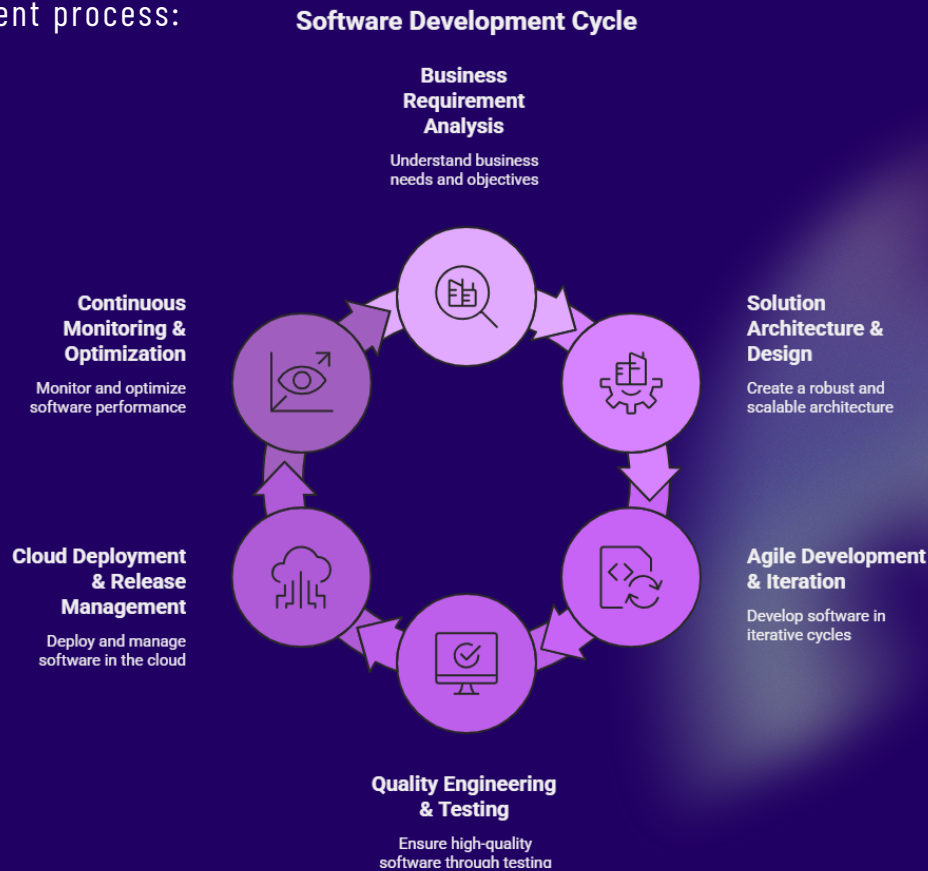


End-to-End Development Lifecycle

From concept to production, we manage the complete journey.

Great software isn't just code—it's the result of clear requirements, thoughtful architecture, iterative development, rigorous testing, and continuous improvement.

Our development process:



1. Business Requirement Analysis

Understand your business objectives, user needs, technical constraints, and success criteria before writing any code.

2. Solution Architecture & Design

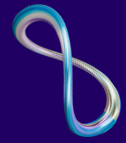
Design system architecture, data models, API contracts, and technology stack—establishing the foundation for scalable, maintainable software.

3. Agile Development & Iteration

Build in sprints with regular demos and feedback loops. Deliver working software frequently rather than waiting months for a big reveal.

4. Quality Engineering & Testing

Integrate automated testing, code reviews, and QA processes throughout development—catching issues early when they're cheapest to fix.



5. Cloud Deployment & Release Management

Deploy to staging and production environments using CI/CD pipelines. Enable zero-downtime deployments and easy rollbacks.

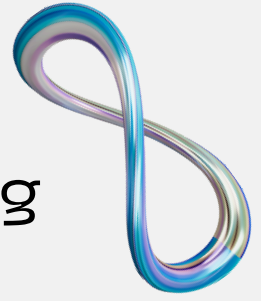
6. Continuous Monitoring & Optimisation

Monitor application performance, error rates, and user behaviour. Use data to drive ongoing improvements and proactive issue resolution.

Why it matters: Methodology matters as much as technology. Agile, iterative development reduces risk, incorporates feedback faster, and delivers value sooner than waterfall approaches.

Industries We Serve

- **SaaS & Technology:** Multi-tenant platforms, subscription management, usage analytics, API-first architecture
- **E-commerce & Retail:** Shopping carts, inventory management, order processing, customer accounts, payment integration
- **Financial Services:** Secure transaction processing, compliance-ready architecture, data encryption, audit trails
- **Healthcare:** HIPAA-compliant systems, patient portals, appointment scheduling, telehealth platforms
- **Education:** Learning management systems, student portals, content delivery, assessment platforms
- **Professional Services:** Client portals, project management tools, time tracking, invoicing automation



Why Choose Hanumanta Consulting for Web Development

Business-first development approach

We start with business objectives, not technology choices. Every architectural decision is justified by business value.

Startup agility with enterprise engineering standards

Move fast without accumulating technical debt. Get rapid iteration with code quality, security, and scalability baked in.

Scalable and secure architecture

We design systems that handle growth gracefully and protect sensitive data from day one—no rewrites needed when you scale.

Transparent communication and delivery tracking

Regular demos, clear documentation, and visible progress tracking. You always know where your project stands.

Modern development practices

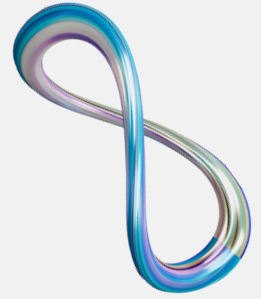
CI/CD pipelines, automated testing, code reviews, infrastructure as code, and monitoring—practices that reduce risk and accelerate delivery.

Seamless integration with existing systems

We work with what you have. Legacy systems, third-party tools, and existing databases integrate cleanly with new applications.

Flexible engagement models

Whether you need a full development team, staff augmentation, or just architectural guidance—we adapt to your needs and budget.



Common Questions About Web Development

How long does it take to build a custom web application?

It depends on complexity. A simple web app with basic CRUD operations might take 2-3 months. A complex enterprise application with integrations, custom workflows, and advanced features typically takes 4-6 months for initial release. We prioritise delivering working software early and iterating.

Should we build custom or use a platform like WordPress/Shopify?

Platforms are great for standard use cases—blogs, simple e-commerce, and content sites. Choose custom when your workflows are unique, you need complex integrations, or you're building a product that IS your business. We help you evaluate this tradeoff objectively.

Can you work with our existing development team?

Absolutely. We offer staff augmentation, technical leadership, or full team takeover—whatever fits your needs. We integrate with your processes, tools, and culture.

What happens after launch?

Launch is just the beginning. We offer ongoing support, feature development, performance optimisation, and scaling assistance. Many clients transition to retainer arrangements for continuous improvement.

How do you ensure security?

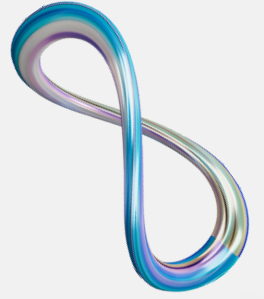
Security is built in from architecture design through deployment: secure coding practices, dependency scanning, penetration testing, HTTPS everywhere, proper authentication/authorisation, data encryption, and regular security updates.

Can you migrate our existing application to the cloud?

Yes. We've migrated monolithic applications, legacy .NET apps, PHP systems, and everything in between to AWS, Azure, and Google Cloud. Migration can be incremental—you don't have to move everything at once.

Do you provide hosting and maintenance?

We can. Some clients want fully managed hosting and support. Others prefer to own infrastructure with our architectural guidance. We're flexible based on your preferences and capabilities.



Ready to Build Your Digital Platform?

WHETHER YOU'RE STARTING FROM SCRATCH, MODERNIZING A LEGACY SYSTEM, OR SCALING AN EXISTING APPLICATION, WE HELP YOU BUILD WEB PLATFORMS THAT DRIVE BUSINESS GROWTH.



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CONSULTATION** ↙

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