



ADA Digital Accessibility - Compliance Services –
Consulting and Design

TAB 5: Value-Added Services

The Alliance for Innovation (AFI)

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Value-Added Services

App Maisters Inc. is a premier digital development and transformation partner specializing in the design, engineering, and delivery of scalable mobile, web, cloud, and enterprise solutions. In addition to deep development expertise, we provide consultancy, optimization, and modernization services that strengthen long-term system performance and resilience. With more than 500+ successfully delivered projects across government, healthcare, education, transportation, legal, and commercial sectors, we bring proven experience in building secure, compliant, and high-impact digital platforms. Our multidisciplinary team integrates architecture, design, and full-stack development with strategic guidance to deliver production-ready solutions that drive measurable outcomes, ensure regulatory compliance, and support sustainable growth.

Core Capabilities

1. Web & Mobile Application Development

- Design and development of **custom mobile applications** for iOS, Android, and cross-platform frameworks tailored to business and government needs.
- Development of **secure, scalable web applications and CMS platforms** for public agencies, universities, and enterprise organizations.
- Adoption of **agile and user-centric development methodologies**, ensuring rapid delivery, iterative improvement, and stakeholder alignment.
- Built-in **accessibility compliance (WCAG 2.1 AA, ADA)** to ensure inclusive digital experiences for all users.
- Focus on performance, usability, and long-term maintainability across devices and platforms

2. Artificial Intelligence & Machine Learning Solutions

- Design and implementation of **AI/ML models** to enable predictive analytics, intelligent automation, and decision support systems.
- Development of **custom AI solutions**, including recommendation engines, natural language processing (NLP), computer vision, and intelligent chatbots.
- Integration of AI capabilities into existing web and mobile applications to enhance functionality and user engagement.
- Ethical and explainable AI practices aligned with enterprise governance and regulatory expectations.
- Support for data-driven innovation across healthcare, public sector, logistics, and research domains.



3. Business Intelligence (BI) & Data Analytics Solutions

- Development of **interactive BI dashboards** that convert complex datasets into actionable insights for executives and operations teams.
- Integration of multiple data sources into unified analytics platforms for reporting, monitoring, and forecasting.
- Real-time and historical data visualization to support **strategic planning, compliance reporting, and performance tracking**.
- Custom KPIs and role-based analytics views tailored to organizational objectives.
- Scalable architectures that support future growth and advanced analytics.

4. Systems Integration & Emerging Technologies

- Design and development of **secure APIs** and middleware to enable seamless system interoperability.
- Integration with **third-party platforms**, legacy systems, and external data providers.
- Development of **GIS-based solutions** for location intelligence, mapping, and spatial analytics.
- Implementation of **IoT and wearable integrations** for real-time data capture, monitoring, and automation.
- Support for modern, interoperable ecosystems that reduce silos and improve operational efficiency.

5. Cloud & Infrastructure Services

- Architecture and deployment of **AWS and Azure cloud solutions**, including serverless and microservices-based systems.
- Security-first cloud design incorporating encryption, identity management, and compliance controls.
- **Managed hosting services** with disaster recovery, auto-scaling, high availability, and performance optimization.
- Application **re-platforming, refactoring, and migration** from on-premise or legacy environments to the cloud.
- Cost optimization strategies to ensure efficient and sustainable cloud operations.



6. Digital Transformation & IT Advisory Services

- Strategic **digital transformation assessments** aligned with organizational goals and operational realities.
- Development of **IT roadmaps and modernization plans** to guide phased technology adoption.
- Cloud migration readiness assessments and **DevOps as a Service** to accelerate delivery and reduce operational friction.
- Digital strategy aligned with **regulatory and compliance requirements** such as HIPAA, CJIS, ISO 27001, and ISO 9001.
- Advisory support that bridges business objectives with technical execution.

7. AI-Driven Accessibility Auditing & Remediation

Use case: Regular ADA compliance scanning and dynamic adjustment

How: AI tools crawl your app/site to detect and automatically fix accessibility issues (e.g., missing alt text, color contrast issues, unlabeled buttons).

AI Used: CV/NLP-based UI/UX scanning tools

- WCAG 2.1+ Compliance
- Continuous monitoring

8. Accessibility Overlay with Machine Learning Personalization

Use case: Dynamic UI changes based on user needs

How: AI detects user behavior and preferences (e.g., font size, contrast, navigation style)

- Custom profile-based interface adaptation
- GDPR/ADA compliant

9. Ethical AI & Bias Testing Framework for Accessible UX

Use case: Ensure inclusiveness in AI recommendations/search/UX

How: Bias audits on AI algorithms used in personalization, search, or chatbot features

- Regular fairness scoring
- Report included for compliance documentation

10. Accessible PDF & Document Automation (AI-based OCR + Tagging)

Use case: For document-heavy apps (legal, health, enterprise)

How: AI auto-tags, remediates, and generates accessible versions of PDFs/Word docs

- Compliant with PDF/UA
- Multilingual OCR + semantic tagging