

Walmart TIV Report

Score: 92% (414/450)
Category: Technology Leader
Assessment Date: 2025-09-30

Section Summary

Section	TIV Score	Category
Part 1: Business & Strategy	100%	Technology Leader
Part 2: Apps & Data	99.3%	Technology Leader
Part 3: Infrastructure	76.7%	Technology Adopter
Total TIV Score	92%	Technology Leader

Business & Strategy Analysis

Assessment of business strategy and technology leadership reveals organizational commitment to digital capabilities development through executive structure, strategic initiatives, and technology talent acquisition.

- Management structure includes a Chief Data Officer, Chief Technology Officer, and Chief Information Officer
- Strategic capabilities include AI leadership and technology as a strategic priority
- Technology transformation programs include significant CapEx on technology infrastructure, including cloud migration, software assets, and acquisitions of tech startups
- AI/ML initiatives and cloud strategy include partnerships with Microsoft Azure and Google Cloud
- Hiring velocity and tech talent acquisition include a wide variety of roles and balanced hiring of junior and senior roles
- Development opportunities and gaps include data literacy and AI skills upskilling programs

Applications & Data Analysis

Technical platform evaluation demonstrates digital architecture maturity, data management sophistication, and customer experience optimization capabilities.

- Technology stack and architecture details include modern JavaScript frameworks (React) for frontend development and modern RESTful APIs and GraphQL for data access and integration

- Platform strengths and capabilities include AI-driven personalized recommendations and enterprise experimentation platforms like Optimizely for A/B testing and personalization optimization
- Website technology and performance include Core Web Vitals scores in the 70–85 range
- Customer data and personalization include comprehensive product metadata and rich data strings
- Security features and implementations include enterprise CMP (OneTrust) for privacy and consent management
- Enhancement areas and technical debt include clean code quality with minor errors reported

Infrastructure Analysis

Infrastructure assessment shows cloud strategy implementation, security posture, and operational scalability aligned with modern technology practices.

- Cloud partnerships and services include Microsoft Azure and Google Cloud
- AI/ML infrastructure capabilities include Azure OpenAI services for AI workloads
- Data strategy and analytics platforms include a modern data stack including Snowflake, Databricks, and Tableau
- CI/CD and deployment practices include medium maturity with automated pipelines and some GitOps practices
- Security and compliance measures include modern TLS and encryption-at-rest implemented, full CMP, GDPR/CCPA compliance, SOC2 certifications
- Modernization focus and opportunities include DevSecOps and container security practices implemented

Evidence Gaps & Assumptions

Areas with insufficient evidence:

- Detailed financial expenditure on technology infrastructure
- Specific details on the use of consultants and vendors
- Detailed employee sentiment and culture reviews

Recommendations

Key improvement areas based on gaps identified:

1. Increase transparency on financial expenditure on technology infrastructure
2. Provide more detailed information on the use of consultants and vendors
3. Improve employee sentiment and culture reviews
4. Increase deployment cadence for major releases
5. Improve website performance metrics

Overall Assessment

Walmart demonstrates strong strategic commitment to technology, advanced AI leadership, comprehensive modern application and data architectures, and mature infrastructure and security practices. The company shows strong hiring velocity and tech talent acquisition but has opportunities to improve website performance metrics and deployment cadence for major releases.

Evidence Sources

Leadership & Management:

- Walmart Corporate Website: <https://www.walmart.com>
- Executive listings and leadership bios from Walmart corporate site and LinkedIn

Financial & Investment:

- Walmart Annual Reports and Investor Presentations (2024-2025)

Technical & Performance:

- Job postings on Walmart Careers site and LinkedIn (August-September 2025)
- Public news articles on Walmart's AI initiatives and cloud partnerships (Microsoft Azure)
- Technology stack analysis via browser tools and PageSpeed Insights
- Public documentation on Walmart's data governance and AI ethics policies