

# A.AVA: Revolutionizing Software Development with AI & Automation

A.AVA is an intelligent engineering platform that empowers teams (software developers, QA, data engineers etc.) to deliver exceptional software. Ascendion A.AVA revolutionizes the software development lifecycle (SDLC) by leveraging AI, ML, and automation to accelerate, optimize, and enhance software development at every stage.

It establishes clear guidelines and best practices that can be followed across multiple teams for Agile, DevOps, and security processes. It identifies bottlenecks that hinder the engineer's productivity and gives actionable insights to improve code and product quality.

## What challenges does A.AVA address?

**Maturity Gaps:** A.AVA bridges the gap between current practices and industry best practices, ensuring consistency and quality across Agile, DevSecOps, and security processes.

**Blind Spots:** A.AVA provides real-time insights into the health and maturity of software delivery, proactively identifying bottlenecks and preventing release issues.

**Productivity Gain:** A.AVA empowers engineers with pre-built solutions, automation, and intelligent tools, increasing velocity and efficiency.

**Quality Concerns:** A.AVA optimizes testing, accessibility, and ML operations, elevating product and code quality throughout the SDLC.

## Key Features of A.AVA



**AI-driven Automation:** A.AVA leverages AI and ML to streamline manual tasks, improve efficiency, and continuously suggest optimization opportunities.



**Transparent Dashboard:** A.AVA's transparent dashboard gives real-time insights into all stages of software delivery, identify bottlenecks, and make data-driven decisions.



**Prebuilt Solutions Catalogue:** A.AVA gives access to industry-proven solutions for common engineering challenges, accelerating implementation and reducing risk.



**Predictable Outcomes:** A.AVA delivers reliable, self-healing solutions tailored to client needs, minimizing dependency on individual talent.



**OneView Platform:** Gives a holistic view of the entire SDLC across various tools and processes, providing unparalleled transparency and control.



**Intelligent Test Automation (ITA):** Applies cognitive self-learning, natural language processing, ML algorithms, and process orchestration to automate testing across the engineering process.



**Intelligent Accessibility Framework (IAF):** IAF uses AI and ML to help businesses meet legislative requirements and standards (Web Content Accessibility Guidelines (WCAG)2.1, (A, AA) and Americans with Disabilities Act (ADA)) and receive compliance certification.



**MLOps:** Streamlines machine learning operations for on-premises, cloud, and hybrid environments, shortening development cycles and improving governance.



**Low Code Data Modernization:** Is an insight driven intelligent engineering platform that accelerates the pace of Data Modernization through no-code/low-code data modernization studio.



**Intelligent Cloud Economics (ICE):** Helps in gain cost and utilization visibility, optimizes cloud spending, and ensure compliance with unit economics governance and controls.



**Digital Ascender:** A generative AI-driven engineering companion designed to streamline and accelerate the software development lifecycle (SDLC) helping you with various tasks across all stages of software development, from story creation to code optimization.

## Businesses Benefits

- **Increased Quality & Predictability:** Deliver reliable software with fewer bugs and higher release confidence.
- **Boosted Team Productivity:** Empowers engineers with intelligent tools and automation, achieving 20% productivity gains.
- **Improved Engineering Outcomes:** Optimize every stage of the SDLC, achieving 24% better quality and 30% increase in test data reusability.
- **Streamlined ML Operations:** Reduce effort and time with 60% savings in MLOps tasks.
- **Radical Transparency:** Gain real-time insights into the SDLC, similar to consumer-grade delivery experiences, fostering trust and collaboration.

# ASCENDION

Ascension is a leading provider of AI-first software engineering services. Our applied AI, software engineering, cloud, data, experience design, and talent transformation capabilities accelerate innovation for Global 2000 clients. Ascension is headquartered in New Jersey. In addition to our remote/hybrid workforce, we have more than 20 offices across the US, India, and Mexico. We are committed to building technology powered by generative AI with an inclusive workforce, service to our communities, and a vibrant culture. For more information, please go to [ascension.com](https://ascension.com).

