

skillia.AI: The Standard for AI-Powered Competency Verification

Executive Summary

Skillia.ai is an Azure-native application designed to close the "Verification Gap" in modern workforce development. Unlike traditional Learning Management Systems (LMS) that track *content consumption* (e.g., "Did the user watch the video?"), Skillia.ai uses computer vision and generative AI to verify *physical competency* (e.g., "Did the user perform the task correctly?").

By automating the creation of Standard Operating Procedures (SOPs) and providing algorithmic grading of trainee performance, Skillia.ai enables manufacturers, field service organizations, and regulated industries to scale expert knowledge while reducing the cost of poor quality (COPQ).

Core Capabilities

1. Generative AI for SOP Automation

Skillia.ai solves the "Cold Start" problem of documentation.

- **Video-to-Text Generation:** Upload a raw video of a subject matter expert (SME) performing a task. Skillia.ai analyzes the visual and audio data to automatically generate step-by-step Work Instructions.
- **Contextual Awareness:** The AI identifies key components, safety warnings, and tool usage, formatting them into a structured, audit-ready list.
- **Time-Savings:** Reduces SOP creation time from hours to minutes, allowing organizations to document High-Mix/Low-Volume (HMLV) processes economically.

2. The "Verification Engine" (AI Grading)

The core differentiator of Skillia.ai is its ability to grade physical actions against a "Gold Standard."

- **Golden Reference Comparison:** The system compares trainee performance (video) against the expert's baseline (video) using advanced computer vision.
- **Granular Step Analysis:** Grading is not binary (Pass/Fail) for the whole session but granular for each micro-step (e.g., "Step 15: Submerge anvil in sterile solution").
- **Detection of Omission:** Uniquely, the system detects *negative evidence*—identifying when a critical safety or quality step was skipped entirely.
- **Instant Feedback Loop:** Trainees receive timestamped feedback immediately, accelerating time-to-proficiency.

3. Compliance & Audit Readiness

Skillia.ai transforms training records from subjective sign-offs into objective, immutable evidence.

- **ISO 9001 Clause 7.2 Support:** Provides the "documented information as evidence of competence" required by quality standards.
- **Digital Audit Trail:** Every assessment is logged with user ID, timestamp, video evidence, and granular scoring, reducing audit preparation time.
- **Risk Mitigation:** Prevents "pencil whipping" (signing off without verifying) by requiring physical demonstration of skill.

Technical Specifications

Feature	Specification
Hosting Infrastructure	Microsoft Azure (US Regions)
Compliance	SOC 2 Type II, GDPR Ready
Authentication	Microsoft Entra ID (Azure AD) Single Sign-On (SSO)
Supported Devices	iOS/Android Smartphones, Tablets, Ray-Ban Meta Smart Glasses, Webcams
Video Formats	MP4
Export Formats	PDF (Audit Reports), JSON/CSV (Data Integration)

Use Cases

SME Manufacturing

- **Scenario:** High turnover of senior machinists ("Silver Tsunami").
- **Application:** Record senior machinists performing complex setups. Generate SOPs instantly. Use AI grading to certify new hires before letting them operate expensive CNC machinery.
- **ROI:** Reduction in scrap rates and machine downtime; preservation of tribal knowledge.

Medical Device & Life Sciences

- **Scenario:** Regulatory requirement to prove sales reps or operators can correctly demo/use a device.
- **Application:** Reps record themselves demonstrating the device (e.g., a vascular stapler). Skillia.ai verifies they included all safety warnings and steps.
- **ROI:** Audit-proof training records; reduced compliance risk.

Field Service (HVAC/Utilities)

- **Scenario:** High callback rates due to improper installation or diagnosis.
- **Application:** Technicians perform a "Skillia Check" (30-second recording) of their repair before closing the ticket. AI verifies key steps (e.g., "Capacitor wired correctly").
- **ROI:** Reduced truck rolls (callbacks); increased customer satisfaction.

Licensing & Support

Skillia.ai is available via the Microsoft Commercial Marketplace with flexible licensing options:

- **Starter:** For small teams verifying core skills.
- **Professional:** For growing organizations requiring detailed analytics and integrations.
- **Enterprise:** For large-scale deployments requiring custom SLAs and dedicated support.

Support Resources:

- **Knowledge Base:** Available 24/7
- **Customer Success:** Dedicated onboarding for Enterprise plans.
- **Updates:** Platform updates delivered automatically via SaaS model.

Skillia.ai is a Microsoft ISV Success Partner.