

Who Should Use This Checklist?

- ★ CISOs, Security Architects, Developers
- ★ Compliance, Privacy, Governance, Legal, Audit Teams
- ★ Al Product Managers Al / ML Engineering & Platform Teams
- ★ DevOps, CloudOps Engineer, Site Reliability Engineers (SREs)

User Interaction and Model Behavior		
What Log Type / Field	Why (Purpose / Description)	
☐ Prompt Logs (inputs)	Detect misuse, prompt injections, or data leakage attempts	
☐ Model Output Logs (responses)	Monitor hallucinations, toxic or biased content, sensitive info leakage	
☐ Session Metadata (User ID, IP, Device, Timestamp, Model Version, Params)	Audit trail and forensic linkage to specific actions	
☐ Prompt Context Reconstruction	Capture retrieved documents, embeddings, or RAG source IDs	
☐ Agent Actions & Tool Invocations	Log when agents use external tools or APIs	
☐ Persona/Prompt Template Versioning	Track changes to system or developer prompts	
☐ Session Correlation ID	Correlate AI interactions across distributed systems	
Security Monitoring		
What Log Type / Field	Why (Purpose / Description)	
☐ Authentication & Authorization Logs	Prevent unauthorized access or privilege escalation	
☐ API Gateway Logs	Detects DDoS, scraping, or brute-force activity	
☐ Third-Party Integration Logs	Monitor plugin or tool access patterns	
☐ Access Token & Scope Validation Logs	Ensure least-privilege OAuth scope usage	
☐ Rate Limit Enforcement Logs	Identify abuse or throttling bypasses	

☐ Sandbox Escape Monitoring	Detects unauthorized system command calls	
Content Risk Monitoring		
What Log Type / Field	Why (Purpose / Description)	
☐ Toxicity, Bias, and Offensive Output Detection	Prevent reputational or regulatory harm	
☐ Sensitive Information Detection	Identify leaks of secrets, PII, or confidential data	
☐ Output Dissemination Tracking	Track propagation of risky or Al-generated outputs	
Data Handling & Storage		
What Log Type / Field	Why (Purpose / Description)	
☐ Data Uploads / Downloads Logs (for multimodal GenAl: file interactions)	Detects exfiltration or injection attempts via files	
☐ Encryption Key Access Logs	Track key management and usage	
☐ Data Retention & Deletion Logs (prompt and output lifespan)	Ensure compliance with data protection regulations like GDPR/CCPA	
Performance & Drift Monitoring		
What Log Type / Field	Why (Purpose / Description)	
☐ Model Performance Metrics	Track accuracy, latency, and drift over time	
☐ Explainability Drift Logs	Capture shifts in model reasoning or output attributions	
☐ Environment Integrity Checks	Detects tampering in deployed model environments	
 Anomalous Output Monitoring (unexpected answer patterns, output structure shifts) 	Early detection of model degradation or compromise (eg, poisoned model behavior)	
Incident Detection & Response		
What Log Type / Field	Why (Purpose / Description)	
☐ Failed Attempts & Errors	Track malformed input and fuzzing attempts	

☐ Security Event Correlation	Integrate LLM logs into SIEM/SOAR workflows	
☐ Forensic Replay Logging	Retain anonymized prompt/output pairs for review	
☐ LLM Runtime Integrity	Hash model files/configs to detect unauthorized modification	

♀ Best Practices		
☐ Real Time Monitoring	Actively monitor high risk patterns	
☐ Retention Policies	Define retention, anonymization, and deletion timelines	
☐ Alerting	Set thresholds for anomalies (eg, more than X failed jailbreaks triggers an alert)	
☐ Encryption	Log data should be encrypted at rest and in transit	
☐ Privacy Preserving	Mask/anonymize user data where feasible to comply with privacy laws	

QR For Additional Checklists

