

AWS re:Invent 2025 – Technical Recap (Suggested Refinement)

1. The Proliferation of Agentic AI

INV202 – AI agents in action: Architecting the future of applications: High-level architectural session explaining how autonomous agents are reshaping modern application design.

INV204 – Build and scale AI: From reliable agents to transformative systems: Focuses on production-grade agent design, reliability, and scaling patterns.

AIM372 – Build useful, reliable agents with Amazon Nova: Deep dive into Amazon Nova models and best practices for building effective agents.

AIM3348 – Improve agent quality in production with Bedrock AgentCore Evaluations: Explains evaluation, observability, and quality control for agentic systems in production.

2. Next-Generation Infrastructure and Custom Silicon

INV207 – Unlocking possibilities with AWS Compute: Umbrella session covering Graviton5, Trainium3, and AWS's overall compute strategy.

CMP307 – AWS Graviton: The best price performance for your AWS workloads: Practical guidance on adopting Graviton for cost and performance efficiency.

AIM351 – End-to-end foundation model lifecycle on AWS Trainium: Covers the full training-to-inference lifecycle for foundation models on Trainium.

3. Accelerated Modernization and Technical Debt Management

INV212 – Migrate, modernize, and move your business into the AI era: Strategic overview of modernization approaches using agentic AI.

MAM410 – Breaking 25 years of tech debt using AWS Transform for .NET: Real-world case study demonstrating large-scale legacy modernization.

DEV333 – Modernize Legacy Applications with Agentic AI: Hands-on perspective on refactoring and modernizing applications with agents.

4. Data Foundations for AI and Distributed Systems

INV215 – AWS storage beyond data boundaries: Building the data foundation: Architecture-level overview of AWS's data and storage strategy for AI workloads.

STG334 – Amazon S3 Tables architecture, use cases, and best practices: Deep dive into S3 Tables and their role in large-scale analytics.

STG318 – Transforming AI storage economics with Amazon S3 Vectors: Explains vector storage optimizations for AI and retrieval workloads.

DAT439 – Deep dive into Amazon Aurora DSQL and its architecture: Covers the design of Aurora DSQL for globally distributed systems.

5. The Renaissance Developer and Engineering Culture

DEV314 – Spec-driven development with Kiro: Introduces spec-driven development to reduce verification debt in AI-generated code.

DVT228 – Accelerate development with Kiro’s new agentic AI capabilities: Demonstrates how agentic tooling enhances developer productivity.

DEV403 – How Amazon Teams Use AI Assistants to Accelerate Development: Internal Amazon examples of AI-assisted software delivery.

DEV307 – Unleash Rust’s potential on AWS: Highlights systems thinking and performance-oriented development on AWS.