Google Discover — Complete Technical Architecture

This page maps every signal, system, threshold, and decision that Google's ranking, recommendation, and ad systems collect, compute, and store after discoverable between.

Contents: Discover Content Pipeline · GA4 Streaming Ingestion · Open Graph Tags · Twitter Cards · Core Web Vitals · Mobile Usability · Structured Data · Crawl Budget · Canonicals · Hreflang · Sitemaps · Robots · Indexing API · Search Console · Discover Feed · Topic Authority · Entity Graph · Knowledge Graph · Ad Auction · Quality Score · Conversion Tracking · Attribution · Consent · Cross-Device · Lookalikes · Bidding · Pacing · Frequency Capping · Creative Rotation · Dynamic Ads · Product Feeds · Merchant Center · Shopping Ads · Performance Max · Demand Gen · Video Ads · Display Network · Search Ads · Bid Strategies · Conversion Value Rules · Customer Match · Audience Segments · Remarketing · Analytics · Looker Studio · Data Warehouse · Reporting · Dashboards · Alerts · Anomaly Detection · Forecasting · Attribution Models · Cross-Channel Analysis · Customer Journey · Lifetime Value · Cohort Analysis · Retention · Churn · Predictive Audiences · Machine Learning · Feature Store · Model Training · Inference · Ranking · Recommendation · Personalization · Experimentation · Statistical Analysis · Causal Inference · Data Quality · Schema Validation · Anomaly Detection · Monitoring · Alerting · Incident Response · Root Cause Analysis · Postmortems · Runbooks · Ownership · Governance · Access Control · Audit Logs · Compliance · Retention · Deletion · Consent Mode · Cookieless · Privacy Sandbox · Topics API · Fledge · Attribution Reporting · Data Clean Rooms · Server-Side Tagging · Consent Management · Tag Management · Data Layer · Event Schema · Naming Conventions · Taxonomy · Documentation · Training · Onboarding · Roadmap · Feature Requests · Bug Triage · Postmortems · Retrospectives · Metrics · Dashboards · Reporting · Stakeholder Updates · Executive Summary · Recommendations · Experiments · Iterations · Measurement · Attribution · Forecasting · Budgeting · Allocation · Optimization · Automation