

# Anjan Goswami, Ph.D.

San Francisco Bay Area, CA

AI Systems & Data Platform Executive

Full 4-page resume: [anjangoswami.com/resume/anjangoswami2026.pdf](https://anjangoswami.com/resume/anjangoswami2026.pdf)

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## Executive Summary

**AI & Engineering Executive:** 20+ years building and scaling 0-to-1 AI products and platforms across Microsoft, Adobe, Salesforce, Walmart, eBay, and Amazon A9—spanning generative AI, search/ranking, recommendations, and document intelligence.

**End-to-End ML Systems Ownership:** Owned the full ML lifecycle, including data strategy and feedback loops, model training and fine-tuning, inference architecture, deployment, and evaluation—translating research advances into reliable production systems.

**Production Delivery at Scale:** Led globally distributed teams delivering AI systems used by tens of millions of users, operating under real-world constraints across latency, cost, quality, safety, and compliance.

**Systems-First Builder:** Deep expertise turning ambiguous research and modeling problems into scalable, high-performance AI platforms, with clear ownership, crisp technical strategy, and sustained product advantage.

## Career Highlights

- **Microsoft PowerPoint Copilot:** Built and scaled the AI & Data org (1→16); architected agentic LLM systems for slide generation/editing and end-to-end evaluation and grounding; delivered **20%+ engagement lift**.
- **Adobe Document AI:** Designed a new high-performance PDF semantic parsing system with a privacy-preserving active learning loop; achieved **2× latency improvement** and improved accuracy from **45%→65%** while meeting strict throughput and compliance constraints.
- **Salesforce Einstein (Community & Service Cloud):** Built ML org from scratch; delivered feed ranking, recommender systems, trust/safety, and conversational AI driving **20% engagement lift** and improved enterprise adoption via vertical packages and instrumentation.
- **Walmart Commerce Search:** Led 80+ engineers/scientists in an AI re-architecture; drove **+23% revenue** and **+17% conversion**.
- **eBay & Amazon A9:** ML ranking and evaluation infrastructure for commerce discovery (eBay Cassini **+6% revenue**); global ranking infrastructure at Amazon A9.

## Core Areas

**Search & Personalization:** ranking, retrieval, recommendation, marketplace discovery, experimentation and evaluation

**Generative AI Systems:** LLM applications, RAG, grounding, multimodal generation, agentic workflows, quality/eval frameworks

**Data-Centric AI:** active learning, privacy-preserving pipelines, synthetic data, long-tail mining, regression detection

**Inference & Reliability:** low-latency serving (cloud + edge), profiling, caching, distillation/compact models, production readiness

## Professional Experience

**Microsoft — Head of AI and Data → Senior Principal Scientist, PowerPoint (Office 365) Mar 2024 – Present**

- Built and shipped agentic Copilot systems for slide generation/editing and on-brand grounded output; established evaluation, grounding, and regression frameworks.
- Built and scaled AI & Data org (1→16); partnered across product/engineering/research to drive multi-year AI strategy and model selection decisions.

- **Senior Principal scope (Dec 2025–Present):** Led controlled frontier model evaluations (diffusion LMs vs AR LLMs; infographic image models) to guide adoption decisions and future model/control strategy.

#### Adobe — Director of Machine Learning & Engineering

*Jul 2019 – May 2023*

- Led a global 40–60 person org across Acrobat, Sign, Stock, Creative Cloud, and Experience Cloud; restructured Document AI into product-aligned teams plus horizontal Data/Edge teams.
- Shipped data-centric document AI systems (semantic parsing, privacy-preserving active learning) and **Acrobat Assist** (RAG summarization/Q&A); delivered major latency/throughput and quality gains.
- Built CLIP-based semantic search for Adobe Stock and an audience discovery platform with **4×** cost reduction.

#### Salesforce — Director of Machine Learning & Engineering (Einstein)

*Jul 2016 – Jul 2019*

- Built ML org from scratch across Community & Service Cloud; delivered ranking, recommender systems, trust/safety, and conversational AI with **20%** engagement lift.
- Co-defined Service Cloud AI roadmap; introduced vertical packages and adoption instrumentation; established GDPR/HIPAA-aligned governance for customer-facing AI.

#### Walmart — Director of Search Science

*Jun 2014 – Oct 2015*

- Led 80+ engineers/scientists rebuilding commerce search (ranking, retrieval, type-ahead), delivering **+23% revenue** and **+17% conversion**.

#### Earlier: UpWork, eBay, Amazon A9, Microsoft

*2005 – 2014*

- UpWork: contractor ranking/recsys (+4% hiring) + experimentation. eBay: Cassini ranking (+6% revenue) + image search. Amazon A9: global ranking infra & evaluation.

### Open Source & Selected Research

**Thinker (Open Source):** Unified LLM inference router (ThinkerQL, registry-based routing, observability). [github.com/smartinfer/thinker](https://github.com/smartinfer/thinker)

**NeurIPS 2025 Workshop:** VLM-SlideEval (multimodal evaluation). [arXiv:2510.22045](https://arxiv.org/abs/2510.22045)

**Patents:** 10+ in search relevance, ranking, and recommendations. [anjangoswami.com/patents](https://anjangoswami.com/patents)

### Education

**Ph.D., Computer Science** — University of California, Davis

**M.S., Computer Science** — The Ohio State University

**M.Tech, Mechanical Engineering** — IIT Kanpur