GEORGE DEKERMENJIAN

Data & AI Leadership | Platform Engineering | GenAI & LLM Implementation

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Technical leader bridging Data Engineering and AI—equally at home architecting real-time data platforms (ClickHouse, Kafka, BigQuery) and deploying production GenAI/LLM systems (OpenAI, Anthropic, RAG pipelines). Track record of $1M+ digital transformations, 99.5% latency reductions, and building AI-first cultures that deliver measurable ROI. Hands-on executive who writes production code while owning strategy, P&L, and C-suite alignment. Former mathematics professor who translates complex systems into business outcomes.

KEY ACHIEVEMENTS

99.5% latency reduction — Real-time financial reporting (40s → 200ms)

$1.2M Digital Transformation — Cloud Migration (GCP), 30% enterprise growth

GenAI/LLM in Production — Agentic workflows saving 1+ FTE monthly

AI-First Culture Change — Trained 40+ devs, 50% fewer review cycles

PROJECTS

Glass Box Portfolio — georgedekermenjian.com

Interactive AI-powered portfolio demonstrating explainable, agentic systems. Features real-time Brain Log showing AI reasoning and tool execution, Codebase Oracle for answering questions about the system itself. Built with Next.js, FastAPI, pydantic-ai, and Gemini.

TokenLedger — github.com/ged1182/TokenLedger

Self-hosted LLM cost analytics platform providing per-user, per-endpoint cost tracking for AI features. Automatic cost calculation for OpenAI/Anthropic with 2-line integration, async batching, and React dashboard. Python, FastAPI, Postgres.

EXPERIENCE

VP Data & AI | Fundcraft   Jul 2025 – Dec 2025

Girona, Spain (Remote) • Contract • Luxembourg-based fund administrator

▶ Scaled data team from 6 to 12 in 4 months; led Data Migration from legacy providers, established Data Governance and Data Quality frameworks across the organization

▶ Reduced financial reporting latency by 99.5% (40s → 200ms) through Real-Time Data Architecture redesign using ClickHouse and optimized query patterns—eliminated client complaints

▶ Implemented GenAI and LLM workflows (OpenAI/Anthropic APIs) for automated document classification, reducing operational costs by 1+ FTE monthly across client accounts

▶ Led AI-First Digital Transformation: trained 40+ developers in AI-assisted development, reduced code review cycles by 50%, accelerated refinement meetings by 75%

Senior Data Platform Engineer | Decipher AI (YC W24)   Mar 2025 – Jun 2025

Remote • Contract • AI-powered session replay analytics

▶ Partnered with founders on Data Platform Modernization for enterprise growth at this YC-backed startup

▶ Executed zero-downtime Cloud Migration from Supabase to Azure PostgreSQL: partitioned tables, TTL policies, schema versioning—reduced query latency from 15s to 2s (87% improvement)

▶ Architected Real-Time Analytics platform: ClickHouse with Kafka ingestion, MaterializedViews, AggregatingMergeTree—95% latency reduction

Director of Data & Analytics | Mouseflow   Jan 2023 – Feb 2025

Barcelona, Spain • Session replay and heatmap analytics platform

▶ Led $1.2M Digital Transformation and Cloud Migration (GCP): migrated 500TB data estate (EU + US datacenters), processing 500M monthly pageviews—enabled 30% increase in enterprise customer adoption

- ▶ Built data organization from 1 to 4 members; established documentation standards and engineering best practices
- ▶ Implemented Real-Time Analytics on ClickHouse: 90% query latency reduction, enabled cohort retention analysis and funnel visualization

Data Scientist | Mouseflow   Oct 2021 – Dec 2022
Copenhagen, Denmark

- ▶ Conducted infrastructure assessment of legacy Elasticsearch and HBase systems; created prototype "flows" visualization feature that became key enterprise differentiator

Cloud Data Solutions Consultant | Independent   2018 – Present
Remote • Startups and small businesses

- ▶ Architected cloud-native migrations and real-time analytics solutions using GCP services (BigQuery, Dataflow, Pub/Sub) for clients transitioning from legacy systems

Data Scientist | Cubris (A Thales Company)   Nov 2020 – Sep 2021
Copenhagen, Denmark • Railway technology

- ▶ Achieved 75% improvement in GPS data processing algorithms for European rail operations while maintaining accuracy standards

Data Scientist | BMW Group (Master's Thesis)   Jan 2020 – Jul 2020
Munich, Germany

- ▶ Developed metamodel solution using adapted stochastic gradient descent for B-splines—reduced vehicle crash simulation time from 24+ hours to minutes

Professor of Mathematics | Los Angeles City College   2007 – 2017
Los Angeles, USA • Including Mathematics Department Chair

- ▶ 10 years in higher education developing communication, organizational leadership, and complex problem simplification skills

TECHNICAL SKILLS

AI & GenAI: LLM Integration (OpenAI, Anthropic, Gemini), Agentic Frameworks (pydantic-ai, Vercel AI SDK), RAG Pipelines, Prompt Engineering, AI-Assisted Development

Data Engineering & Analytics: ClickHouse, Kafka, BigQuery, Materialized Views, Real-Time/Streaming ETL, Low-Latency Architecture

Cloud & Infrastructure: GCP (Professional Data Engineer), Azure, PostgreSQL, Terraform, Docker, Cloud Run, Dataflow, Pub/Sub

Leadership: Digital Transformation, Team Scaling (1→12), P&L Ownership, C-Suite Stakeholder Management, Technical Roadmapping

EDUCATION

M.S. Mathematics in Data Science — Technical University of Munich, 2020
M.S. Mathematics — Claremont Graduate University, 2009
B.A. Mathematics — American University of Beirut, 2003
Certification: Google Cloud Professional Data Engineer