GEORGE DEKERMENJIAN

Director of Data & AI | Fintech & Regulated Industries | Auditable AI Systems

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Hybrid technical executive who builds production AI systems with full audit trails—not POCs. Specializes in data platform modernization for regulated industries, implementing GenAI workflows that satisfy compliance requirements (AIFMD, GDPR) while delivering measurable ROI. Track record includes $1.2M digital transformations, 99.5% latency reductions, and AI document classification systems processing thousands of documents monthly. Hands-on leader (30-50% technical) who designs architectures end-to-end while owning strategy and C-suite alignment. Former mathematics professor who translates complex systems into business outcomes.

KEY ACHIEVEMENTS

Auditable AI + Human Workflows — AIFMD/GDPR compliant, 150-300 hrs/month saved

99.5% Latency Reduction — Real-time financial reporting (40s → 200ms)

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

Team Scaling & Culture — Built teams 1→4, 6→12; trained 40+ devs in AI

EXPERIENCE

VP Data & AI | Fundcraft
Jul 2025 – Dec 2025

Remote • Contract • Luxembourg-based fund administrator (AIFMD regulated)

- Built tamper-proof audit trail system for AI+human document classification workflows—every AI decision logged, every human override captured, full traceability for compliance (AIFMD, GDPR)
- Deployed GenAI document classification (OpenAI/Anthropic APIs) processing thousands of fund, KYC, and transaction documents monthly; reduced classification time from 45-60 seconds to near-zero (80%+ confident) or 10 seconds (human review), saving 150-300 hours/month across operations team
- Reduced financial reporting latency by 99.5% (40s → 200ms) through real-time architecture redesign using ClickHouse—eliminated client complaints on NAV reporting
- Scaled data team from 6 to 12 in 4 months; established Data Governance framework using dbt contracts and custom schema validation
- Led AI-First culture transformation: trained 40+ developers in AI-assisted development, reduced code review cycles by 50%

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; worked in TypeScript/Next.js codebase with OpenAI SDK integration
- 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 for AI-powered funnel analysis

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 across 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, engineering best practices, and data quality frameworks
- Implemented real-time analytics on ClickHouse: 90% query latency reduction, enabled cohort retention analysis and funnel visualization previously impossible
- Partnered with CTO/CEO on data strategy alignment; secured executive buy-in for multi-year infrastructure investment

Data Scientist | Mouseflow Oct 2021 – Dec 2022

Copenhagen, Denmark

- Conducted infrastructure assessment of legacy Elasticsearch and HBase systems; created prototype 'flows' visualization that became key enterprise differentiator
- Established cross-functional relationships with Product, Sales, and Customer Success to align technical solutions with business needs

Cloud Data Solutions Consultant | Independent 2018 – Present

Remote • Startups and regulated industries

- Architected cloud-native migrations and real-time analytics solutions using GCP (BigQuery, Dataflow, Pub/Sub) for clients transitioning from legacy systems
- Developed data strategies incorporating governance, security, and compliance requirements

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 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: developed communication, organizational leadership, and ability to simplify complex technical concepts for diverse audiences

TECHNICAL SKILLS

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

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

AI/ML & GenAI: LLM APIs (OpenAI, Anthropic, Gemini), Agentic Frameworks (pydantic-ai, Temporal), RAG Pipelines, Human-in-the-Loop Workflows, Python, FastAPI

Data Governance: dbt contracts, Custom Schema Validation, Audit Trail Design, AIFMD/GDPR Compliance

Leadership: Digital Transformation, Team Scaling (1→12), Regulated Industries, C-Suite Stakeholder Management

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