

BASHIR MAGOMEDOV Ph.D.

Technology & AI Transformation Leader | Enterprise Architect

Dubai, UAE | British national | Open to GCC relocation

+971 56 503 1434 | +44 7868 362379 | bashir.magomedov@gmail.com | linkedin.com/in/bmagomedov

PROFILE

Technology leader and architect with 20+ years turning difficult business and regulatory problems into production systems. Delivered global post-trade surveillance at HSBC, helped scale a financial-risk platform adopted by 28 European banks, modernised KYC at BNP Paribas, and now leads technology and AI transformation for a Dubai commodities group. Combines deep engineering judgment with enterprise architecture, delivery leadership and commercial accountability; has led engineering organisations of up to 50 people. PhD research in artificial intelligence and neural networks.

SELECTED BUSINESS IMPACT

28 European banks. Took a financial-risk analytics platform from pre-POC code to secure, multi-tenant deployment for regulated banks, helping grow the business from pre-revenue to multi-million-pound recurring revenue.

HSBC global post-trade monitoring. Replaced 150+ spreadsheets and specialist desktop tools with a rules-driven surveillance platform covering FX, rates, commodities, metals and equities, with validation inside a 12-hour window.

AI brought into banking products. Integrating GPT-4 into Galytix CreditX in 2024, bringing LLM capabilities into established credit-analysis workflows.

Enterprise turnaround. At Auremin, established ownership and architecture for an undocumented technology estate, delivered three business platforms in four months, restored security controls and removed over US\$30k in annualised recurring spend.

PROFESSIONAL EXPERIENCE

Technology & AI Lead | Auremin

Jun 2026 – Present

Dubai, UAE | Commodities trading and industrial development | Reports to COO

- **Turned a fragmented estate into an executable transformation plan.** Set target architecture and delivery priorities across trading workflows, counterparty and credit risk, compliance records and capital projects; replaced disconnected tools with integrated business platforms.
- **Made security and operational ownership real.** Led the response to a business-email compromise, traced its root cause through identity and audit telemetry, and closed the control gaps without financial loss. Strengthened MFA, privileged access and identity governance.
- **Reduced costs while improving control.** Consolidated Azure and Google Cloud ownership, removed unused services and licenses, and eliminated over US\$30k of annualised spend.
- **Introduced usable enterprise AI.** Led assistant adoption and integrated AI features into line-of-business applications with provider flexibility and human decision-making retained for consequential outcomes.
- **Established repeatable engineering decisions.** Directed architecture reviews, security standards, delivery governance and release quality; led internal engineers and external partners.

Senior Consultant, Integration Architecture | Sunbelt Rentals

Oct 2025 – Jun 2026

UK | Construction and industrial equipment rental | Enterprise architecture programmes

- **Untangled operational integration problems.** Reworked product-data synchronisation with Salesforce, improving validation and replacing repeated bulk transfers with incremental, event-driven updates.
- **Made finance information maintainable.** Built structured journal and reconciliation data flows in place of spreadsheet-heavy processes, while helping modernise legacy Azure integration services and delivery pipelines.

Head of Engineering | Galytix

Mar 2020 – Sep 2025

London, UK | AI and data-intelligence products for banking and insurance

- **Scaled an idea into a bank-grade commercial platform.** Owned architecture from early prototype through enterprise deployment at 28 European banks, enabling client-controlled cloud installations alongside SaaS and supporting multi-million-pound recurring revenue.
- **Introduced applied generative AI in CreditX.** Integrating GPT-4 in 2024 and subsequently worked with LLM-powered features and integrations, connecting AI capabilities to real credit and risk-analysis use cases.
- **Built and led the delivery organisation.** Grew multidisciplinary engineering teams to 50 people across development, data, QA and DevOps, balancing delivery speed with regulatory and operational requirements.
- **Solved regulated-enterprise deployment constraints.** Designed portable, distributed architecture deployable in Azure and AWS client environments, with tenant isolation, identity federation, encryption, security controls and auditable delivery.
- **Raised production quality at scale.** Established design reviews, API and integration patterns, operational telemetry and service-level practices that reduced incident frequency and recovery time.

Senior Software Engineer | BNP Paribas

Jul 2018 – Mar 2020

London, UK | Global corporate and investment banking

- **Modernised corporate KYC and client workflows.** Helped transform fragmented onboarding and compliance data into integrated services supporting continuous risk monitoring, sanctions signals and controlled access for banking teams, reducing compliance exceptions.
- **Delivered trading-critical systems.** Worked directly with FX desks on booking and sales applications where low latency, reliability and auditability mattered.

Senior Software Engineer | Centtrip

Dec 2017 – Jul 2018

London, UK | Corporate fintech, FX payments and treasury

- **Built resilient fintech infrastructure.** Delivered high-throughput FX trading services and customer applications, contributing to cloud architecture and automated quality controls.

Technical Lead | HSBC

Jan 2010 – Dec 2017

London, UK | Global markets | Promoted from Analytical Programmer to Technical Lead in 2011

- **Solved global post-trade surveillance at scale.** Led a distributed team replacing more than 150 local spreadsheets and desktop solutions with a central, rules-driven monitoring platform spanning FX, rates, commodities, metals and equities.
- **Enabled consistent risk controls across desks.** Designed high-volume ingestion, trade validation and exception workflows, processing activity within a 12-hour window and standardising how market-risk mandates were monitored.
- **Established the foundations for enterprise controls.** Built earlier trade-data, audit and permissions solutions and worked closely with Product Control and Market Risk to translate complex operational rules into robust software.

TECHNICAL DEPTH AND LEADERSHIP

Enterprise architecture, complex distributed systems and multi-cloud design (Azure, AWS, GCP); secure integration and data platforms; cloud-native delivery and Kubernetes; identity and DevSecOps; AI/LLM application design, model-provider integration, RAG and human oversight; technology strategy, build-vs-buy, cost optimisation and engineering leadership.

EDUCATION

PhD, Computer Science (Artificial Intelligence) — Computing Centre, Russian Academy of Sciences; neural-network optimisation research (2002–2006), Moscow, Russia

MSc, Computer Science (Honours) — Dagestan State Technical University (1997–2002), Makhachkala, Russia

Languages: English (fluent), Russian (native); elementary Arabic and Spanish.