









RIFAT ERDEM SAHIN


DATA ENGINEER | BIG DATA & ANALYTICS SPECIALIST


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 -  **Portfolio:** <https://rifaterdemsahin.com>
 -  **Schedule a Call:** <https://calendly.com/rifaterdem/schedule>
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PROFESSIONAL SUMMARY

Senior Data Engineer specializing in **big data processing, data pipeline architecture, and analytics platforms**. Deep expertise in designing and implementing scalable data infrastructure supporting enterprise analytics and AI initiatives. Proven track record building data platforms that delivered 300% productivity improvements and 30% cost reductions across financial services, healthcare, and real estate sectors. Expert in real-time data processing and cloud-native data architectures.

CORE COMPETENCIES

 **Data Pipeline Engineering** - Large-scale data pipeline design and implementation - Real-time streaming data processing with Apache Kafka and Spark - ETL/ELT automation and orchestration - Data quality monitoring and automated validation frameworks

 **Cloud Data Architecture** - Cloud-native data lakes and data warehouses - Multi-cloud data integration and synchronization
- Serverless data processing and auto-scaling architectures - Cost optimization strategies for cloud data storage and compute

KEY ACCOMPLISHMENTS

2025 | IBM | London, UK

Enterprise AI & Hybrid Cloud Transformation - Challenge: Lead enterprise-scale hybrid cloud transformation and AI integration for global clients - **Solution:** Architected comprehensive IBM Cloud + Red Hat OpenShift platform with watsonx AI integration and DevSecOps practices - **Impact:** - 35% reduction in operational overhead through AI-driven automation with watsonx - 40% improvement in deployment frequency via DevSecOps and Ansible Automation Platform - Zero-downtime migration of mission-critical workloads to hybrid cloud architecture - **Technologies:** IBM Cloud, Red Hat OpenShift, watsonx AI, Ansible Automation Platform, Terraform, Kubernetes, GitHub Actions

2024 | Goldman Sachs | Muscat, Oman

Real-time Financial Data Processing Platform - Challenge: Build scalable data platform for real-time financial market data processing and analytics - **Solution:** Architected streaming data platform with automated data validation and real-time analytics - **Impact:** - 300% improvement in data processing speed through optimized pipeline architecture - 30% reduction in data infrastructure costs via cloud optimization - Real-time insights enabling faster trading decisions and risk management - **Technologies:** Apache Kafka, Apache Spark, Azure Synapse, Data Factory, Power BI

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior Data Engineer / AI Solutions Architect | January 2025 - Present

IBM | London, UK

- Architecting hybrid cloud transformation using IBM Cloud and Red Hat OpenShift for Fortune 500 enterprises
- Implementing watsonx AI solutions for intelligent automation, reducing operational overhead by 35%
- Leading DevSecOps transformation with Ansible Automation Platform and Terraform IaC across multi-cloud environments
- Delivering zero-downtime Kubernetes cluster migrations for mission-critical financial and government workloads

- Building enterprise CI/CD pipelines with GitHub Actions and Jenkins serving 500+ developers globally

Senior Data Engineer / Technical Lead | 2020 - 2025

Goldman Sachs, Ypsomed, Cushman & Wakefield

- Led data engineer initiatives across finance, healthcare, and real estate sectors
- Designed and implemented solutions supporting millions of daily transactions
- Established best practices and automated frameworks
- Mentored engineering teams on modern technologies and practices
- Delivered solutions achieving 300% improvement in operational efficiency

Data Engineer | 2016 - 2020

Microsoft, Emerson, Various Fortune 500




- Built enterprise solutions for digital transformation initiatives
- Led cross-functional teams designing scalable applications
- Established frameworks and implementation strategies
- Evangelized modern technologies through technical leadership

EDUCATION

Bachelor of Science

Southern New Hampshire University, USA  | 2013



CERTIFICATIONS & CONTINUOUS LEARNING

-  **Microsoft Certified Solutions Architect Expert**
-  **AWS Certified Solutions Architect Professional**
-  **Azure Solutions Architect Expert**
-  **Certified Kubernetes Administrator (CKA)**

Continuous Learning:




- Active contributor to open-source projects - Regular participant in technical communities - Following latest developments in technology - Experimenting with emerging tools and practices

SECURITY CLEARANCES


-  **UK SC (Security Check)** - Valid until 2028
 -  **NATO Clearance** - Valid until 2029
 - ✓ **Background Checks:** Watchdog (2024), Sterling (2019)
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AVAILABILITY & CONTACT

Immediate Availability for data engineer roles

-  **Schedule a Discussion:** <https://calendly.com/rifaterdem/schedule>
 -  **Email:** contact@rifaterdemsahin.com
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SUPPORTING DOCUMENTS

 **Technical Portfolio & Presentations:**
<https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf>

References and detailed project portfolios available upon request