









# RIFAT ERDEM SAHIN

## ML DATA ENGINEER | TECHNOLOGY SPECIALIST

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  -  **GitHub:** [github.com/rifaterdemsahin](https://github.com/rifaterdemsahin)
  -  **Portfolio:** <https://rifaterdemsahin.com>
  -  **Schedule a Call:** <https://calendly.com/rifaterdem/schedule>
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## PROFESSIONAL SUMMARY


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Senior ML Data Engineer specializing in **enterprise technology solutions, automation, and system optimization**. Expert in designing and implementing scalable solutions supporting mission-critical business operations.

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## CORE COMPETENCIES

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 **ML Data Engineer Expertise** - Enterprise ml data engineer design and implementation - Automation and optimization frameworks - Performance monitoring and tuning - Security and compliance best practices

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## KEY ACCOMPLISHMENTS

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 **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**

**Enterprise ML Data Engineer Platform - Challenge:** Implement scalable ml data engineer solutions for financial services environment - **Solution:** Architected comprehensive platform with automation and monitoring capabilities - **Impact:** - 300% improvement in operational efficiency through advanced automation - 30% reduction in operational costs via intelligent optimization - 99.9% system availability with automated failover and recovery - **Technologies:** Kubernetes, Terraform, Azure/AWS, Monitoring tools, Automation frameworks

### **2023 | Ypsomed | Switzerland**

**Healthcare Technology Platform - Challenge:** Scale ml data engineer capabilities for medical device and IoT environments - **Solution:** Implemented robust platform with real-time processing and analytics - **Impact:** - 40% improvement in system performance through optimized architecture - 35% reduction in operational overhead via automation - Real-time insights enabling improved healthcare delivery - **Technologies:** Cloud platforms, Monitoring systems, Automation tools, Analytics platforms

### **2022 | Cushman & Wakefield | London, UK**

**Real Estate Technology Platform - Challenge:** Modernize ml data engineer infrastructure for property management analytics - **Solution:** Built cloud-native platform with automated processes and real-time analytics - **Impact:** - 50% faster processing through optimized platform architecture - 90% improvement in system reliability via automated monitoring - Enhanced business intelligence enabling strategic decision making - **Technologies:** Azure services, Analytics platforms, Automation frameworks, Monitoring tools

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## **TECHNICAL EXPERTISE**

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## Core Technologies

**Platforms:** Kubernetes, Docker, AWS, Azure, GCP

**Automation:** Terraform, Ansible, GitLab CI/CD, GitHub Actions

**Monitoring:** Prometheus, Grafana, ELK Stack, Azure Monitor

**Programming:** Python, Bash, PowerShell, YAML, JSON

## Specialized Skills

**Infrastructure:** Infrastructure as Code, Container orchestration, Cloud architecture

**Security:** Zero-trust architectures, Compliance frameworks, Identity management

**Operations:** CI/CD pipelines, Monitoring and alerting, Incident response

**Integration:** API design, Microservices, Event-driven architectures

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## PROFESSIONAL EXPERIENCE HIGHLIGHTS

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**Senior ML 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 ML Data Engineer / Technical Lead** | 2020 - 2025

*Goldman Sachs, Ypsomed, Cushman & Wakefield*

- Led ml 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

### **MI 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

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## **EDUCATION**

### **Bachelor of Science**

Southern New Hampshire University, USA  | 2013

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## **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

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## **SECURITY CLEARANCES**

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

## AVAILABILITY & CONTACT

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**Immediate Availability** for ml data engineer roles



**Schedule a Discussion:** <https://calendly.com/rifaterdem/schedule>



**Email:** [contact@rifaterdemsahin.com](mailto:contact@rifaterdemsahin.com)



**Phone:** +44 7848 024173

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## SUPPORTING DOCUMENTS

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**Technical Portfolio & Presentations:**

[https://rifaterdemsahin.com/wp-](https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf)

[content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf](https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf)

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*References and detailed project portfolios available upon request*