









RIFAT ERDEM SAHIN



SRE ENGINEER | SITE RELIABILITY & PERFORMANCE ENGINEERING SPECIALIST

-  **Location:** London, United Kingdom
 -  **Citizenship:** British
 -  **Email:** contact@rifaterdemsahin.com
 -  **Phone:** +44 7848 024173
 -  **LinkedIn:** [linkedin.com/in/rifaterdemsahin](https://www.linkedin.com/in/rifaterdemsahin)
 -  **GitHub:** github.com/rifaterdemsahin
 -  **Portfolio:** <https://rifaterdemsahin.com>
 -  **Schedule a Call:** <https://calendly.com/rifaterdem/schedule>
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PROFESSIONAL SUMMARY

Senior SRE Engineer specializing in **site reliability engineering, performance optimization, and operational excellence**. Deep expertise in designing and implementing reliable, scalable systems with focus on automation and monitoring. Proven track record building SRE practices that delivered 300% improvement in system reliability and 30% reduction in operational toil across financial services, healthcare, and real estate sectors. Expert in SLI/SLO frameworks and incident management.

CORE COMPETENCIES

-  **Site Reliability Engineering** - SLI/SLO definition and implementation - Error budget management and reliability governance - Incident management and post-mortem processes - Reliability and performance testing frameworks
-  **SRE Automation & Monitoring** - Automated monitoring and alerting systems - Chaos engineering and reliability testing - Toil reduction and automation strategies - Capacity planning and performance optimization

KEY ACCOMPLISHMENTS

2024 | Goldman Sachs | Muscat, Oman

Enterprise SRE Platform for Financial Systems - Challenge: Implement SRE practices for critical financial trading and risk management systems - **Solution:** Built comprehensive SRE platform with automated monitoring and incident response - **Impact:** - 300% improvement in system reliability through SRE practices - 30% reduction in operational toil via automation - 99.99% uptime achievement for critical financial systems - **Technologies:** Prometheus, Grafana, PagerDuty, Kubernetes, Terraform, Chaos Monkey

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior SRE 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 SRE Engineer / Technical Lead | 2020 - 2025 *Goldman Sachs, Ypsomed, Cushman & Wakefield*

- Led sre 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

SRE 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



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 sre engineer roles



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



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SUPPORTING DOCUMENTS



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)

References and detailed project portfolios available upon request