









RIFAT ERDEM SAHIN

INFRASTRUCTURE ENGINEER | SYSTEM INFRASTRUCTURE & AUTOMATION SPECIALIST

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

Senior Infrastructure Engineer specializing in **system infrastructure design, automation, and performance optimization**. Deep expertise in designing and implementing robust infrastructure supporting enterprise applications and services. Proven track record building infrastructure solutions that delivered 300% productivity improvements and 30% cost reductions across financial services, healthcare, and real estate sectors. Expert in infrastructure automation and monitoring.

CORE COMPETENCIES

-  **Infrastructure Design & Implementation** - Enterprise infrastructure architecture and design - High availability and disaster recovery implementations - Performance tuning and capacity planning - Infrastructure security and hardening
-  **Infrastructure Automation** - Infrastructure as Code with Terraform and Ansible - Automated provisioning and configuration management - Monitoring and alerting automation - Infrastructure testing and validation frameworks

KEY ACCOMPLISHMENTS

2024 | Goldman Sachs | Muscat, Oman

Enterprise Infrastructure Automation Platform - Challenge: Modernize infrastructure management for financial services environment - **Solution:** Implemented automated infrastructure platform with self-service capabilities - **Impact:** - 300% improvement in infrastructure provisioning speed - 30% reduction in operational overhead via automation - 99.9% infrastructure availability through automated monitoring - **Technologies:** Terraform, Ansible, Kubernetes, Prometheus, Grafana, ELK Stack

PROFESSIONAL EXPERIENCE HIGHLIGHTS

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

- Led infrastructure 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

Infrastructure 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)

AVAILABILITY & CONTACT

Immediate Availability for infrastructure engineer roles



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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