









RIFAT ERDEM SAHIN


AWS ENGINEER | CLOUD INFRASTRUCTURE & AUTOMATION SPECIALIST

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

Senior AWS Engineer specializing in **cloud infrastructure design, serverless architectures, and DevOps automation**. Deep expertise in building scalable, secure, and cost-effective solutions on Amazon Web Services. Proven track record in migrating legacy workloads to AWS, implementing Infrastructure as Code (IaC), and optimizing cloud-native applications for high performance and reliability.

CORE COMPETENCIES

 **AWS Cloud Engineering** - Compute: EC2, Lambda, ECS, EKS, Fargate - Storage & Databases: S3, EBS, EFS, RDS, DynamoDB, Aurora - Networking: VPC, Route 53, CloudFront, API Gateway, Direct Connect - Security: IAM, KMS, WAF, GuardDuty, Secrets Manager - Management & Governance: CloudWatch, CloudTrail, Config, Systems Manager

KEY ACCOMPLISHMENTS

2025 | IBM | London, UK

Multi-Cloud AI Infrastructure on AWS - Challenge: Deploy enterprise-grade AI solutions on AWS hybrid cloud environments. - **Solution:** Architected and engineered an AWS-based platform using EKS and watsonx AI, integrated with IBM Cloud via Direct Connect. - **Impact:** - 35% reduction in operational latency through optimized AWS networking. - Automated deployment of AI models reducing time-to-market by 40%. - Ensured zero-downtime scaling for peak financial processing periods. - **Technologies:** AWS EKS, Lambda, watsonx AI, Terraform, Ansible, GitHub Actions.

2024 | Goldman Sachs | Muscat, Oman

High-Performance AWS Financial Platform - Challenge: Scale a global financial data platform with extreme security and compliance requirements. - **Solution:** Implemented a secure AWS Landing Zone with automated governance and hardened VPC architectures. - **Impact:** - 300% improvement in system scalability using AWS Auto Scaling and Aurora. - 30% reduction in cloud spend through AWS Cost Explorer and Reserved Instance optimization. - Achieved 99.99% availability for mission-critical trading APIs. - **Technologies:** AWS Aurora, DynamoDB, API Gateway, CloudFormation, KMS.

2023 | Ypsomed | Switzerland

Validated AWS Healthcare Platform - Challenge: Manage sensitive healthcare data with strict regulatory compliance on AWS. - **Solution:** Built a HIPAA-compliant AWS infrastructure with automated encryption and detailed audit logging. - **Impact:** - Achieved full regulatory compliance for patient data management. - 40% reduction in backup/restore times using AWS Backup and S3 Lifecycle policies. - Improved data durability to 99.999999999% (11 nines). - **Technologies:** AWS S3, RDS, CloudTrail, Config, AWS Backup, IAM.

2022 | Cushman & Wakefield | London, UK

Serverless Real Estate Analytics - Challenge: Process large volumes of property market data for real-time analytics. - **Solution:** Developed a serverless data processing pipeline using AWS Lambda and Kinesis. - **Impact:** - 50% faster data processing compared to legacy on-premise systems. - 90% reduction in maintenance overhead via serverless architecture. - Enabled real-time property insights for global investment teams. - **Technologies:** AWS Lambda, Kinesis, S3, Glue, Athena, QuickSight.

TECHNICAL EXPERTISE

Core AWS Technologies

Compute: Lambda, EC2, ECS, EKS, Fargate

Storage: S3, EBS, EFS, FSx

Networking: VPC, Route 53, CloudFront, Load Balancing (ALB/NLB)

IaC: Terraform, AWS CDK, CloudFormation

Specialized Skills

DevOps: GitHub Actions, AWS CodePipeline, Jenkins, GitLab CI

Security: IAM, KMS, WAF, Shield, Security Hub

Monitoring: CloudWatch, X-Ray, New Relic, Datadog

Databases: RDS (MySQL, PostgreSQL), DynamoDB, Redshift

PROFESSIONAL EXPERIENCE HIGHLIGHTS

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

IBM | London, UK

- Leading the engineering of AWS-native solutions for Fortune 500 digital transformations.
- Implementing robust CI/CD pipelines for automated infrastructure provisioning.
- Mentoring engineering teams on AWS best practices and architectural patterns.

Senior AWS Engineer / Technical Lead | 2020 - 2025

Goldman Sachs, Ypsomed, Cushman & Wakefield

- Designed and implemented complex AWS architectures for financial and healthcare sectors.
- Established enterprise-wide standards for AWS security and governance.
- Led migration projects moving on-premise workloads to AWS cloud-native services.

Cloud Engineer | 2016 - 2020

Microsoft, Emerson, Various Fortune 500

- Built and managed cloud environments with a focus on automation and reliability.
- Developed scripts and tools for automated resource management and monitoring.





- Collaborated with development teams to optimize application performance on cloud platforms.
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EDUCATION



Bachelor of Science

Southern New Hampshire University, USA  | 2013

CERTIFICATIONS & CONTINUOUS LEARNING

-  **AWS Certified Solutions Architect Professional**
 -  **AWS Certified DevOps Engineer Professional**
 -  **AWS Certified SysOps Administrator Associate**
 -  **Certified Kubernetes Administrator (CKA)**
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SECURITY CLEARANCES

-  **UK SC (Security Check)** - Valid until 2028
 -  **NATO Clearance** - Valid until 2029
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AVAILABILITY & CONTACT

Immediate Availability for AWS Engineer roles

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

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SUPPORTING DOCUMENTS

References and detailed project portfolios available upon request