









RIFAT ERDEM SAHIN


CLOUD ARCHITECT | MULTI-CLOUD SOLUTIONS EXPERT


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

Senior Cloud Architect with expertise in **designing enterprise-scale cloud architectures across AWS, Azure, and GCP**. Specializes in cloud transformation strategies, hybrid cloud implementations, and cost-optimized scalable solutions. Proven track record architecting cloud platforms that delivered 300% productivity improvements and 30% cost reductions across financial services, healthcare, and real estate sectors. Expert in translating business requirements into secure, scalable, and resilient cloud architectures.

CORE CLOUD ARCHITECTURE COMPETENCIES

 **Enterprise Cloud Architecture** - End-to-end cloud solution design and implementation across multiple cloud providers - Hybrid and multi-cloud architectures with seamless integration patterns - Microservices architectures with containerization and serverless computing - Scalable cloud platforms supporting millions of daily transactions

 **Cloud Migration & Transformation** - Cloud-first transformation strategies and migration roadmaps - Legacy system modernization and cloud-native refactoring - Data migration

strategies with minimal downtime and zero data loss - Application containerization and serverless transformation

⚡ **Performance & Scalability** - Auto-scaling architectures with intelligent load balancing - Performance optimization reducing response times by 60% - Cost optimization strategies achieving 40% cloud spend reduction - High availability designs with 99.99% uptime SLAs

Cloud Security & Compliance - Zero-trust cloud security architectures and implementation - Cloud security frameworks for regulated industries (finance, healthcare) - Identity and access management with multi-factor authentication - Compliance architectures meeting SOC2, PCI DSS, and GDPR requirements

🔧 **Cloud Operations & Monitoring** - Cloud-native monitoring and observability implementations - Automated disaster recovery and business continuity solutions - Cost monitoring and governance frameworks - Performance analytics and capacity planning

KEY CLOUD ARCHITECTURE 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

Enterprise Multi-Cloud Financial Platform - Challenge: Design resilient, compliant cloud architecture for global financial operations - **Solution:** Architected hybrid multi-cloud platform with automated failover and regulatory compliance - **Impact:** - 300% improvement in system reliability through redundant cloud architecture - 30% reduction in operational costs via intelligent resource optimization - 99.99% uptime achievement with automated disaster recovery - **Architecture:** Multi-region AWS/Azure deployment, microservices, event-driven design - **Technologies:** AWS EKS, Azure AKS, Terraform, Service Mesh, API Gateway, CloudFormation

2023 | Ypsomed | Switzerland

IoT-Enabled Healthcare Cloud Platform - Challenge: Architect scalable cloud platform for IoT medical device data processing and analytics - **Solution:** Designed event-driven cloud architecture with real-time analytics and edge computing - **Impact:** - 40% improvement in data processing speed through optimized cloud architecture - 35% reduction in infrastructure costs via serverless and container optimization - Real-time insights enabling predictive healthcare delivery - **Architecture:** Event streaming, serverless computing, edge-cloud hybrid, time-series databases - **Technologies:** Azure IoT Suite, Azure Functions, Kubernetes, Event Hub, Cosmos DB

2022 | Cushman & Wakefield | London, UK

Real Estate Analytics Cloud Data Platform - Challenge: Architect cloud data platform for real-time property market intelligence and analytics - **Solution:** Designed cloud-native data lake architecture with automated ETL and ML pipelines - **Impact:** - 50% faster data processing through optimized cloud data architecture - 90% improvement in data quality via cloud-native validation frameworks - Real-time analytics enabling strategic business decision making - **Architecture:** Data lake, serverless ETL, real-time analytics, auto-scaling compute clusters - **Technologies:** Azure Synapse, Data Factory, Azure ML, Power BI, Azure Storage

TECHNICAL CLOUD EXPERTISE

Cloud Platforms & Services

AWS: EC2, EKS, Lambda, RDS, S3, CloudFormation, IAM, VPC, Route53, API Gateway

Azure: AKS, App Service, Functions, Cosmos DB, Storage, Key Vault, Monitor, Synapse

GCP: GKE, Compute Engine, Cloud Functions, BigQuery, Cloud Storage, Cloud SQL

Multi-Cloud: Terraform, Kubernetes, Service Mesh, API Management, Cost optimization

Architecture Patterns & Design

Microservices: Service decomposition, API design, Event-driven architecture, CQRS

Serverless: Function-as-a-Service, Event-driven computing, Auto-scaling, Cost optimization

Data Architecture: Data lakes, Data warehouses, Real-time streaming, Data mesh

Security: Zero-trust, Identity management, Encryption, Network security, Compliance

Infrastructure & Automation

IaC: Terraform, CloudFormation, ARM Templates, Ansible, Pulumi

Containers: Docker, Kubernetes, Helm, Service Mesh (Istio), Container security, Red Hat OpenShift (OCP), OpenShift CLI (oc)

CI/CD: GitLab CI/CD, GitHub Actions, Azure DevOps, Jenkins, ArgoCD

Monitoring: Prometheus, Grafana, CloudWatch, Azure Monitor, ELK Stack, Loki, OCP telemetry

OpenShift: OpenShift Operators, Routes, SCCs (Security Context Constraints), OLM, OpenShift Virtualization

Programming & Scripting

Languages: Python, Bash, PowerShell, JavaScript, YAML, JSON, HCL

APIs: REST, GraphQL, gRPC, OpenAPI, Microservices communication

Databases: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Cosmos DB), Time-series

Streaming: Kafka, Event Hub, Kinesis, Pub/Sub, Event-driven architectures

CLOUD ARCHITECTURE SPECIALIZATIONS

Enterprise Cloud Migration

- Led cloud migration projects for 100+ applications with zero downtime
- Designed migration strategies reducing infrastructure costs by 45%
- Implemented cloud-native refactoring improving performance by 3x
- Created automation frameworks reducing migration time by 70%

Hybrid Cloud Solutions

- Architected hybrid cloud platforms supporting on-premises and cloud workloads
- Implemented seamless data synchronization between cloud and on-premises systems
- Designed network architectures with secure VPN and private connectivity
- Created disaster recovery solutions with cross-cloud redundancy

Cloud Security Architecture

- Designed zero-trust cloud architectures for highly regulated environments

- Implemented cloud security frameworks meeting enterprise compliance requirements
- Created identity and access management solutions with automated provisioning
- Built cloud security monitoring and incident response frameworks

Cost Optimization & Governance

- Implemented cloud cost optimization frameworks saving 40% on cloud spend
- Designed resource governance policies with automated compliance monitoring
- Created cost allocation and chargeback systems for enterprise cost management
- Built automated rightsizing and resource optimization solutions

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior Cloud Architect / 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 Cloud Architect / Technical Lead | 2020 - 2025

Goldman Sachs, Ypsomed, Cushman & Wakefield

- Led cloud architecture initiatives across finance, healthcare, and real estate sectors
- Designed and implemented cloud platforms supporting millions of daily transactions
- Established cloud governance frameworks and architectural standards
- Mentored engineering teams on cloud architecture best practices and design patterns
- Delivered cloud transformation strategies achieving 300% improvement in scalability

Cloud Solutions Architect | 2016 - 2020

Microsoft, Emerson, Various Fortune 500

- Architected cloud-first solutions for digital transformation initiatives
 - Led cross-functional teams designing cloud-native enterprise applications
 - Established cloud adoption frameworks and migration strategies
 - Evangelized cloud technologies through architecture workshops and technical leadership
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EDUCATION

Bachelor of Science

Southern New Hampshire University, USA  | 2013

CERTIFICATIONS & CLOUD CREDENTIALS

 **AWS Certified Solutions Architect Professional**

 **Azure Solutions Architect Expert**

 **Google Cloud Professional Cloud Architect**

 **TOGAF 9 Certified Enterprise Architect**

 **Certified Kubernetes Administrator (CKA)**

 **HashiCorp Certified: Terraform Associate**



Cloud Leadership:

- Cloud Center of Excellence technical advisor - Multi-cloud strategy development and implementation - Cloud architecture review board member - Regular contributor to cloud architecture frameworks and best practices

THOUGHT LEADERSHIP & SPEAKING

- Technical architecture blog focusing on cloud solutions at rifaterdemsahin.com
 - Enterprise cloud architecture workshops and technical presentations
 - Cloud transformation advisory for enterprise migration initiatives
 - Cloud architecture mentorship and technical community leadership
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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 senior cloud architecture and transformation roles

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

 **Email:** contact@rifaterdemsahin.com

 **Phone:** +44 7848 024173

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 architecture portfolios available upon request