









# RIFAT ERDEM SAHIN

## CYBER SECURITY ARCHITECT | ENTERPRISE SECURITY STRATEGY & CYBER RESILIENCE 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 Cyber Security Architect specializing in **designing resilient security ecosystems, advanced threat defense, and strategic risk mitigation**. Expert in aligning technical security controls with business objectives to protect critical infrastructure against sophisticated cyber threats.

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## CORE COMPETENCIES

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 **Cyber Security Architecture** - Enterprise cyber security strategy and roadmap - Zero Trust architecture and implementation - Advanced Threat Protection (ATP) & Incident Response - SOC/SIEM architecture and automation (SOAR) - Vulnerability management & Penetration testing oversight - Cloud security posture management (CSPM)

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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 Cyber Defense Platform - Challenge:** Fortify the financial services platform against improved advanced persistent threats (APTs). - **Solution:** Architected a next-gen cyber defense mesh with integrated threat intelligence and automated response. - **Impact:** - Reduced Mean Time to Respond (MTTR) by 70% through automated playbooks - Blocked 99.9% of targeted phishing and malware attacks via advanced filtering - Achieved full visibility across hybrid environments - **Technologies:** Sentinel, Splunk, CrowdStrike, Palo Alto Networks, Azure Security

## 2023 | Ypsomed | Switzerland

**Medical IoT Security Architecture - Challenge:** Secure connected medical devices and patient data against potential cyber breaches. - **Solution:** Designed a segmented IoT security architecture with strict identity verification and anomaly detection. - **Impact:** - Zero security breaches during major product rollout - 100% compliance with medical device security regulations (FDA/MDR) - Established real-time monitoring for thousands of connected devices - **Technologies:** Azure IoT Security, Defender for IoT, PKI Management, Secure Boot

## 2022 | Cushman & Wakefield | London, UK

**Secure Cloud Transformation - Challenge:** Secure the migration of critical real estate analytics platforms to the cloud. - **Solution:** Implemented a cloud-native security architecture with DevSecOps integration. - **Impact:** - Achieved ISO 27001 compliance for the new cloud environment - Integrated security scanning into CI/CD pipelines, reducing vulnerabilities by 80% - Enabled secure remote access for global workforce via SASE implementation - **Technologies:** Zscaler, Prisma Cloud, Aqua Security, HashiCorp Vault

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## TECHNICAL EXPERTISE

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### Core Technologies

**Security Platforms:** Azure Sentinel, Splunk, CrowdStrike Falcon, Microsoft Defender XDR

**Network Security:** Palo Alto firewall, Zscaler ZIA/ZPA, Cisco ISE

**Cloud Security:** AWS Security Hub, Azure Security Center, GCP Security Command Center

**Identity:** Azure AD (Entra ID), Okta, CyberArk

### Specialized Skills

**Architecture:** SABSA, TOGAF, Zero Trust (NIST 800-207)

**Compliance:** ISO 27001, NIST CSF, GDPR, PCI DSS

**Operations:** Threat Hunting, Forensic Analysis, Incident Management

**Application Security:** OWASP Top 10, SAST/DAST Tooling (SonarQube, Veracode)

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## PROFESSIONAL EXPERIENCE HIGHLIGHTS

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**Senior Cyber Security 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 Cyber Security Architect / Technical Lead** | 2020 - 2025  
*Goldman Sachs, Ypsomed, Cushman & Wakefield*

- Led cyber security architecture for global enterprises in finance, healthcare, and real estate

- Designed defensible architectures against modern cyber threats (Ransomware, Supply Chain Attacks)
- Managed security stakeholders and C-level reporting on cyber risk posture
- Orchestrated red team/blue team exercises to validate security controls
- Mentored security engineers and SOC analysts

### **Security Architect** | 2016 - 2020

*Microsoft, Emerson, Various Fortune 500*

- Built enterprise security solutions for digital transformation initiatives
- Led cross-functional teams in implementing Identity and Access Management (IAM)
- Established incident response frameworks and disaster recovery plans
- Conducted security architecture reviews and risk assessments

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## **EDUCATION**

### **Bachelor of Science**

Southern New Hampshire University, USA  | 2013

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## **CERTIFICATIONS & CONTINUOUS LEARNING**

-  **CISSP - Certified Information Systems Security Professional**
-  **CISM - Certified Information Security Manager**
-  **Azure Security Engineer Associate (AZ-500)**
-  **AWS Certified Security - Specialty**
-  **Certified Ethical Hacker (CEH)**

### **Continuous Learning:**

- Active researcher in threat intelligence communities - Contributor to security open-source tools - Speaker at local cyber security meetups - Continuous study of emerging attack vectors (AI-driven attacks, Quantum crypto)

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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

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**Immediate Availability** for Cyber Security Architect roles

- 📅 **Schedule a Discussion:** <https://calendly.com/rifaterdem/schedule>
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## SUPPORTING DOCUMENTS

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- 📄 **Technical Portfolio & Presentations:**  
<https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf>
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*References and detailed project portfolios available upon request*