









RIFAT ERDEM SAHIN



DEVSECOPS ENGINEER | SECURITY AUTOMATION & CLOUD SECURITY SPECIALIST

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

Senior DevSecOps Engineer specializing in **Security Automation, Cloud Security (AWS/Azure/GCP), and Compliance-as-Code**. Expert in integrating security at every stage of the CI/CD pipeline and automating vulnerability management. Proven track record in building secure, resilient platforms that delivered 300% productivity improvements and 30% cost reductions across financial services, healthcare, and global consulting sectors. Expert in container security, Kubernetes hardening, and automated security scanning tools.

CORE COMPETENCIES

-  **Security Automation & CI/CD** - DevSecOps pipeline design and implementation - Automated Security Scanning (SAST, DAST, IAST, SCA) - Policy-as-Code implementation using OPA and Gatekeeper - Vulnerability management and automated remediation
-  **Cloud & Container Security** - Kubernetes hardening and container security (Aqua, Prisma Cloud) - Cloud security posture management (CSPM) and compliance - Identity and

Access Management (IAM) and Secrets Management (HashiCorp Vault) - Network security and Zero-trust architecture implementation

⚙️ **Automation & Operations** - Infrastructure as Code (Terraform, Ansible, CloudFormation) - Monitoring and observability (Prometheus, Grafana, ELK) - Incident response and security monitoring automation - DevSecOps culture and engineering team mentorship

KEY ACCOMPLISHMENTS

🏆 2025 | IBM | London, UK

Enterprise AI-Driven DevSecOps Transformation - Challenge: Secure enterprise-scale hybrid cloud platforms and automate compliance for highly regulated clients - **Solution:** Architected an AI-powered DevSecOps framework on IBM Cloud and Red Hat OpenShift, integrating automated security scanning and AI-driven threat analysis using watsonx - **Impact:** - 45% reduction in security vulnerabilities in production through shift-left security practices - 40% improvement in compliance audit efficiency via automated compliance-as-code - Zero-downtime, secure migration of mission-critical workloads to hybrid cloud - **Technologies:** IBM Cloud, Red Hat OpenShift, watsonx AI, Ansible, Terraform, Aqua Security, GitHub Actions, Jenkins

🏆 2024 | Goldman Sachs | Muscat, Oman

Enterprise DevSecOps Financial Platform - Challenge: Design a secure, compliant DevSecOps architecture for global financial operations - **Solution:** Implemented a robust security automation platform with real-time vulnerability scanning and automated policy enforcement - **Impact:** - 300% improvement in deployment security through automated quality gates - 30% reduction in operational risk via automated security incident response - 99.9% system availability with automated failover and secure recovery - **Technologies:** Kubernetes, Terraform, Prisma Cloud, Checkmarx, Snyk, Azure DevOps

🏆 2023 | Ypsomed | Switzerland

Healthcare Security & Compliance Platform - Challenge: Scale secure infrastructure for medical device and IoT data processing - **Solution:** Implemented a secure, compliant cloud platform with automated data encryption and secrets management - **Impact:** - 40% improvement in security posture through automated infrastructure hardening - 35% reduction in compliance overhead via automated documentation - Real-time threat detection

enabling proactive security management - **Technologies:** Cloud platforms, HashiCorp Vault, Prometheus, Grafana, Ansible

TECHNICAL EXPERTISE

Security Tools & Frameworks

Scanning: Checkmarx, Snyk, SonarQube, Aqua Security, Prisma Cloud

Policy: OPA (Open Policy Agent), Gatekeeper, Kyverno

Secrets: HashiCorp Vault, Azure Key Vault, AWS Secrets Manager

Compliance: CIS Benchmarks, NIST, SOC2, GDPR, PCI DSS

Cloud & Infrastructure

Platforms: Kubernetes, Red Hat OpenShift, Docker, AWS, Azure, GCP

IaC: Terraform, Ansible, Bicep, Pulumi

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

Monitoring: Prometheus, Grafana, ELK Stack, Azure Monitor

PROFESSIONAL EXPERIENCE HIGHLIGHTS

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

IBM | London, UK

- Leading the integration of **AI-driven security analysis** using **IBM watsonx.ai** to automate vulnerability triaging and remediation
- Developing automated **Security-as-Code** templates for enterprise-scale Red Hat OpenShift and IBM Cloud deployments
- Implementing **Shift-Left security** practices, reducing security debt by 50% across global engineering teams
- Architecting **Zero-Trust** network policies and identity management for hybrid cloud environments
- Building enterprise-wide **CI/CD Security Pipelines** serving 500+ developers, integrating SAST/DAST/SCA

Senior DevSecOps Engineer / Technical Lead | 2020 - 2025

Goldman Sachs, Ypsomed, Cushman & Wakefield

- Led DevSecOps initiatives across finance, healthcare, and real estate sectors
- Designed and implemented **automated compliance monitoring** solutions supporting global operations
- Established security best practices and automated testing frameworks for cloud-native applications
- Mentored engineering teams on secure coding and infrastructure-as-code security
- Delivered solutions achieving 300% improvement in deployment security

DevSecOps Engineer | 2016 - 2020

Microsoft, Emerson, Various Fortune 500

- Built enterprise security solutions for digital transformation initiatives
- Led cross-functional teams designing secure, scalable applications
- Established security frameworks and automated scanning strategies
- Evangelized DevSecOps culture through technical leadership and workshops

EDUCATION

Bachelor of Science

Southern New Hampshire University, USA  | 2013

CERTIFICATIONS & CONTINUOUS LEARNING

 **Certified Kubernetes Administrator (CKA)**

 **AWS Certified Security - Specialty**



 **Azure Security Engineer Associate**

 **HashiCorp Certified: Vault Associate**

Continuous Learning:




- Active contributor to open-source security projects - Regular participant in technical security communities - Following latest developments in DevSecOps and AI security - Experimenting with emerging security 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 DevSecOps Engineer roles

-  **Schedule a Discussion:** <https://calendly.com/rifaterdem/schedule>
 -  **Email:** contact@rifaterdemsahin.com
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SUPPORTING DOCUMENTS

-  **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