









RIFAT ERDEM SAHIN



PENETRATION TESTER | ETHICAL HACKER & OFFENSIVE 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 Penetration Tester specializing in **web application security, network testing, and red team engagements**. Deep expertise in identifying vulnerabilities (OWASP Top 10) and exploiting system weaknesses to improve organizational security posture. Proven track record in delivering actionable remediation reports and conducting post-remediation verification.

CORE COMPETENCIES

-  **Offensive Security** - Web App Pentesting (Burp Suite, OWASP ZAP) - Network Infrastructure Testing (Nmap, Metasploit) - Cloud Security Assessment (Pacu, ScoutSuite) - Social Engineering & Phishing Simulations
 -  **Reporting & Compliance** - Vulnerability Assessment Reporting - CVSS Scoring & Risk Prioritization - Remediation Guidance - Compliance Audits (PCI-DSS)
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KEY ACCOMPLISHMENTS

2024 | Cyber Security Consultancy | London

Red Team Engagement - Challenge: Simulate a sophisticated ransomware attack on a FTSE 100 client. - **Solution:** Executed a multi-vector attack simulation involving phishing, pivot, and domain dominance. - **Impact:** - Exposed critical gaps in the client's EDR configuration. - Validated the effectiveness of the blue team's response. - Led to a £1M investment in security upgrades.

2023 | Start-up | Remote

Product Security Launch - Challenge: Ensure a new Fintech banking app is secure before public launch. - **Solution:** Conducted a comprehensive gray-box penetration test of the mobile app and backend API. - **Impact:** - Identified 5 critical vulnerabilities (IDOR, SQLi) prior to launch. - Verified fixes within 48 hours to meet launch deadline. - Helped achieve ISO 27001 certification.

PROFESSIONAL EXPERIENCE HIGHLIGHTS

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

- Led penetration tester 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

Penetration Tester | 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 penetration tester roles



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



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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