









RIFAT ERDEM SAHIN


SOFTWARE ENGINEERING TRAINER | APPRENTICESHIP DELIVERY SPECIALIST


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

Experienced Software Engineering Trainer specializing in **apprenticeship programme delivery across Levels 4-6**. Expert in remote virtual classroom instruction, workshop-led interactive sessions, and developing learners from diverse experience levels in modern software engineering practices.

CORE COMPETENCIES

 **Training & Instruction** - Apprenticeship programme delivery (Levels 4-6) - Virtual classroom facilitation and remote learning - Workshop-led, interactive teaching methodology - Differentiated instruction for mixed experience levels - Real-world application and stretch activities

 **Training Programme Expertise** - Software Engineering Apprenticeship delivery - 12-week rolling cohort scheduling - AM/PM session delivery flexibility - Assessment and learner progress tracking - Industry-aligned curriculum development

KEY ACCOMPLISHMENTS

2024 | Goldman Sachs | Muscat, Oman

Enterprise Technology Training & Mentorship - Challenge: Deliver technical training and mentorship for engineering teams in financial services - **Solution:** Designed and delivered comprehensive training programmes on cloud technologies, DevOps practices, and modern engineering approaches - **Impact:** - Trained 50+ engineers on advanced cloud and automation technologies - 95% participant satisfaction rating across all training sessions - Improved team productivity by 40% through knowledge transfer - **Technologies:** Kubernetes, Cloud platforms, CI/CD tools, Infrastructure automation

2023 | Ypsomed | Switzerland

Healthcare Engineering Team Development - Challenge: Upskill engineering teams on modern software practices and cloud technologies - **Solution:** Delivered targeted training workshops and hands-on sessions on DevOps, testing practices, and quality assurance - **Impact:** - Conducted 20+ workshop sessions for multi-disciplinary teams - Reduced code quality issues by 35% through training initiatives - Established best practices across engineering teams - **Technologies:** Python, Testing frameworks, Cloud services, Quality assurance tools

2022 | Cushman & Wakefield | London, UK

Software Engineering Capability Building - Challenge: Train diverse teams on cloud-native development and modern engineering practices - **Solution:** Created and delivered interactive training modules on software design, development patterns, and cloud architecture - **Impact:** - Trained 30+ professionals in cloud-native application development - 90% of trainees successfully applied learning to production projects - Enhanced team capabilities in modern software engineering practices - **Technologies:** Azure, Microservices, API development, Software design patterns

TRAINING MODULE EXPERTISE

Software Engineering Apprenticeship Modules (Levels 4-6)

Software Design & Development - Object-oriented design principles and patterns - Software architecture and system design - Design patterns and best practices -

Requirements analysis and technical documentation

Programming Fundamentals (Python) - Python syntax, data types, and core concepts - Object-oriented programming in Python - Python libraries and frameworks - Code quality and PEP 8 standards

Flow Control & Data Handling - Control structures and logic flow - Data structures and algorithms - File handling and data persistence - Database fundamentals and SQL

Building Applications - Application architecture and structure - Framework usage and web development - API design and integration - User interface development

Source Control - Git fundamentals and workflows - Branching strategies and collaboration - Code review processes - Version control best practices

Testing & Quality - Unit testing and test-driven development - Integration and end-to-end testing - Test automation frameworks - Quality assurance methodologies

AI in Software Development - AI-assisted coding tools and workflows - Machine learning integration in applications - Prompt engineering for developers - Ethical AI considerations in software

TECHNICAL EXPERTISE

Core Technologies

Programming: Python, JavaScript, Bash, PowerShell, SQL

Platforms: AWS, Azure, GCP, Kubernetes, Docker

Development: Git, CI/CD pipelines, Testing frameworks, IDE tools

Tools: VS Code, PyCharm, Jupyter, GitHub, GitLab

Specialized Skills

Teaching: Interactive workshops, Virtual classroom delivery, Differentiated instruction

Curriculum: Level 4-6 apprenticeship standards, Industry-aligned content

Assessment: Progress tracking, Competency evaluation, Formative and summative assessment

Facilitation: Group dynamics, Remote learning tools, Engagement strategies

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior Software Engineering Trainer / Technical Lead | 2020 - Present

Goldman Sachs, Ypsomed, Cushman & Wakefield

- Delivered technical training across enterprise organizations in multiple sectors
- Designed and implemented training programmes supporting 100+ professionals
- Facilitated workshop-led sessions with hands-on, real-world applications
- Mentored junior engineers and apprentices through career development
- Achieved 95%+ participant satisfaction across all training initiatives

Software Engineer & Technical Trainer | 2016 - 2020

Microsoft, Emerson, Various Fortune 500





- Built enterprise software while providing technical guidance to teams
 - Led knowledge transfer sessions and technical workshops
 - Evangelized modern engineering practices through training and mentorship
 - Contributed to learning and development initiatives
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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 educational projects - Regular participant in technical training communities - Following latest developments in educational technology - Experimenting with new teaching methodologies and tools

TRAINING DELIVERY APPROACH

Workshop-Led Methodology - Highly interactive sessions with hands-on exercises - Real-world scenarios and industry-relevant examples - Collaborative learning and peer programming - Continuous feedback and formative assessment

Differentiated Instruction - Accommodation for various experience levels - Stretch activities for advanced learners - Scaffolded support for beginners - Personalized learning pathways

Remote Delivery Excellence - Proficient with virtual classroom platforms (Zoom, Teams, Google Meet) - Engaging remote facilitation techniques - Digital collaboration tools and breakout sessions - Asynchronous learning resource creation

AVAILABILITY & COMMITMENT

Available for Start Date: April 2026

Commitment: Part-time (2–3 days per week)

Schedule Flexibility: AM/PM delivery options

Programme Duration: 12-week rolling cohorts

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 Software Engineering Trainer 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](https://rifaterdemsahin.com/wp-content/uploads/2025/02/rifaterdemsahinprofilepresentation.v2025.2.pdf)

References and detailed training portfolios available upon request