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# Erdem Sahin

**British Citizen—Security Cleared**

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**CV As Code:** <https://github.com/rifaterdemsahin>

An experienced and hands-on engineer with extensive knowledge of CI/CD, DevOps, and AI-based architectures. Proven track record in delivering release-on-demand frameworks and transforming enterprise environments. Adept in both cloud and on-premise solutions, with a strong focus on automation, scalability, and security.

## KEY RESULTS

- **2024: IBM** Release Cadence for the Critical National Infrastructure with AI-driven automation to hit transformational goals of a National Program, increasing the velocity for the releases by 20%.
- **2023: Goldman Sachs (Muscat, Oman)—Developed** an AI-driven CI/CD framework, boosting monthly deployments from one to four, cutting deployment costs by 30%, and enhancing software deployment.
- **2022: Ypsomed (Switzerland)** - Migrated IoT systems and completed Git and TFS migrations, optimising workflows, solving versioning conflicts by 40%, and improving system performance by 25%.
- **2021: Cushman & Wakefield (London, UK)** - Automated ETL processes and integrated Databricks and MuleSoft, increasing data processing speed by 50% and reducing data errors by 35%.
- **2020: Emerson (USA)—Deployed** Kubernetes and GPU-based Docker containers, improving computational efficiency by 45% and reducing costs by 20%.
- **2019: Ardent Blue Technologies LLC (USA)—Built** a serverless CI/CD pipeline for VR applications, increasing deployment speed by 70% and lowering operational costs by 40%.
- **2018: Scottish Enterprise (Glasgow, UK)** - Established Azure continuous delivery practices with ELK Stack integration, improving system reliability by 35%.
- **2017: Microsoft—Served** as Enterprise Transformation Architect, increasing technology utilisation by 50% among key customers.
- **2016: Accenture—As** a Quality Assurance Manager, implemented SAFe methodology, enhancing software quality by 30% and reducing delivery time by 25%.

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## COMPETENCIES

**Core: DevOps | Transformation Specialist | SRE | Security Cleared | AI Consultant**

DevOps | CI/CD | AI Integration | SRE | Agile Transformation | Cloud Computing | Automation | Security-Cleared Operations | Microservices Architecture | Infrastructure as Code | Kubernetes | Docker | Data Engineering | AI Consultant

## FAMILIAR TOOLS

Azure, AWS, GCP, Kubernetes, Docker, Terraform, Ansible, Jenkins, Git, Azure DevOps, ELK Stack, Python, Java, JavaScript, SQL, PowerShell, JSON, CI/CD Tools, Serverless Architectures, Microservices Frameworks, Virtualisation, VR, AI & Machine Learning Platforms.

## EDUCATION & CERTIFICATES

Southern New Hampshire University, USA—Bachelor of Science (2013)


Severna Park High School, USA—Diploma (1999)

Certifications: Microsoft Certified Architect in Cloud Solutions (70-532)

## PROFESSIONAL ACHIEVEMENTS

 Awarded Most Valuable Professional in OO Databases (Db40)

 DevAIOps Course Creation

 Delivered Pilot Program: Achieved 10x Release Cycles

 Certified Trainer for Pluralsight and Knowledge Academy

## SECURITY CLEARANCES

Successfully passed background checks with Sterling (2020) and IBM Watchdog (2024)

DBS (2025), BPSS (2026), CNI (2026), UK SC (2028), NSV (2028), NATO (2029)

## AVAILABILITY

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