Erdem Sahin

**Contract Solution Architect**

**British—Security Cleared ( Nato / NSV )**

An experienced and hands-on contract solution architect 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.

# **💪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)

🚀 Delivery Pilot: Achieved 10x Release Cycles

🎓 Certified Trainer for Pluralsight and Knowledge Academy

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# **🔐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)

# **🛠️KEY RESULTS**

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| **ENTER**  **PRISE** | **JOB TITLE** | **KEY ACHIEVEMENTS** | **RESPONSIBILITIES** |
| --- | --- | --- | --- |
| Goldman Sachs / ACLDigital | DevOps Release Train Engineer | Designed and implemented CI/CD workflows across multi-cloud platforms (GCP, Azure, AWS) using OpenShift and AI-driven automation, resulting in reduced release times and improved software deployment speed and reliability. | Led the creation of a DevSecOps maturity framework. Integrated cloud build automation with real-time monitoring. Coordinated deployments for over 4 million users in Oman. |
| IBM | SRE | Openshift cluster management and release in a secure manner. | Work on critical national infrastructure, deliver on a multi-cluster environment, and help lead teams to close the skills gaps. j |
| Ypsomed | DevOps Consultant | Successfully migrated Git repositories from legacy systems (TFS), phasing out outdated infrastructures while documenting processes to comply with strict healthcare regulations. | Planned and executed the migration with cross-functional teams. Ensured adherence to health regulations and managed compliance throughout the migration process. |
| Cushman & Wakefield | DevOps Engineer | Built infrastructure as code (IaC) using ARM templates for scalable Azure deployments, improving infrastructure provisioning efficiency and deployment predictability. | Created and implemented ARM templates to automate Azure infrastructure deployment. Worked on improving practical deployment solutions for data environments. |
| Emerson | DevOps Engineer | Developed both on-premise and cloud-based Kubernetes environments, successfully delivering mini Kubernetes instances for testing and debugging purposes. | Created comprehensive training videos for stakeholders on Kubernetes and container orchestration. Led Kubernetes implementation for teams experiencing technical bottlenecks. |
| Canada Life | DevSecOps Engineer | Automated API management using Azure services, improving coordination between microservices and enhancing system-level integration, reducing delivery time for critical services. | Implemented API management automation, developed facade automation, and introduced a shift-left approach in API security to reduce vulnerabilities earlier in development. |
| Theta Trading | Azure DevSecOps Engineer | Enhanced the company's continuous delivery (CD) process by implementing pipelines-as-code with ARM and YAML pipelines, leading to faster and more reliable software delivery. | Developed automated pipelines using Azure Logic Apps. Optimized continuous delivery by automating deployment and testing processes. |
| Sword | Azure DevSecOps Engineer | Standardised environment consistency by implementing automated ARM and YAML pipelines, ensuring smooth and reliable deployments across different systems. | Designed, implemented, and maintained continuous delivery pipelines to manage consistent infrastructure environments across multiple cloud platforms. |
| Pexabo LLC | DevOps Integration | Successfully implemented a full video production pipeline using the GCP Transcoder API, integrated with AWS, and delivered seamless video processing for both on-premise and cloud backup systems. | Used GCP Transcoder API to handle video transcoding, integrated with Synology NAS for on-premise backup, and utilized AWS Glacier for long-term storage. |
| Ardent Blue Technologies | DevOps Consultant | Optimised Unreal Engine build times by automating DevOps processes, leading to significantly shorter release cycles and faster time-to-market for AAA game titles. | Led DevOps automation for Unreal Engine projects. Coordinated cross-continental teams, improving project delivery and efficiency for both South American and New Jersey teams. |
| Netas / ZTE | DevOps Consultant | Architected high-availability Azure DevOps infrastructure for the Qatar World Cup, ensuring that mission-critical systems met high performance and reliability standards. | Designed and estimated high-scale Azure DevOps architecture, focusing on system reliability and availability for large-scale sports events. |
| Concentra Analytics | Senior DevSecOps Engineer | Developed and orchestrated CI/CD pipelines using AWS and Azure, successfully integrating systems across cloud platforms, reducing deployment times, and improving system stability. | Worked closely with orchestrators and DevOps teams to set up and maintain continuous delivery pipelines, ensuring component isolation and reliable system deployment. |
| Smart Space Software Plc | Senior DevOps Engineer | Led the migration to Service Fabric, enabling the company's multi-tenant architecture and improving scalability for future cloud and on-premise deployments. | Used PowerShell scripting for continuous integration, focusing on implementing a cloud-agnostic architecture for multi-vendor service deployments. |
| Red Box Recorders | Senior DevOps Engineer | Successfully migrated workloads to Kubernetes across multi-environment setups, improving scalability, visibility, and container orchestration efficiency. | Created Kubernetes environments for on-premise and cloud, managing complex migrations while maintaining containerised workloads across environments. |
| MMT Digital | Senior DevOps Engineer | Created a fully containerised microservices architecture using Docker, streamlining development and deployment processes for continuous delivery (CD). | Developed and maintained hosting environments and managed container migration, ensuring seamless integration into the existing development pipeline. |
| Craneware | DevOps Architect | Established continuous delivery pipelines across multiple environments, improving system reliability and reducing manual intervention during deployments. | Assessed and implemented CD pipelines, supporting deployment to multiple environments and improving software release efficiency and consistency. |
| Scottish Enterprise | DevOps Architect / Site Reliability Engineer | Established automated continuous delivery pipelines using Docker and Kubernetes. Improved real-time monitoring systems and deployment workflows. | Built CI/CD pipelines with VSTS and Helm, ensuring system reliability through continuous monitoring and automated deployment processes. |
| Ticket Arena | DevOps Architect | Achieved daily deployments to multiple environments by developing comprehensive continuous delivery pipelines, reducing delivery times, and improving team productivity. | Managed the creation and optimisation of deployment pipelines, ensuring a holistic approach to continuous delivery across multiple environments. |
| Holovis—PlayNation | Implementation & Architecture | Developed a scalable and cost-effective backend for an augmented reality game, improving system performance and development speed for future iterations. | Designed and maintained the codebase for AR game development, ensuring scalability and smooth handover to the permanent development team. |
| Microsoft | Cloud Solution Architect | Led major cloud migration projects, transitioning enterprise customers to cloud-based solutions and optimising their infrastructure for cost-efficiency and performance. | Managed architectural design meetings and proof-of-concept projects and implemented Azure-based cloud solutions for large-scale enterprises. |
| Accenture | Manager | Streamlined software project delivery using continuous integration and continuous delivery pipelines, resulting in daily releases and automated testing. | Managed the full software development lifecycle, ensuring continuous improvement and daily releases across multiple projects. |
| Net Holding / BTCTrader | Software Architect / Consultant | Reduced technical debt by implementing microservices architecture, increasing deployment frequency, and improving system flexibility for financial exchanges. | Applied Kanban for project management, implemented continuous integration, and led the migration of services to cloud platforms like Azure and AWS. |
| Iddaa-Broadage | Software Architect | Implemented continuous integration and service-orientated architecture (SOA) to improve system performance and increase developer retention for Turkey’s leading sports gaming provider. | Developed microservices architecture and established project management systems for continuous delivery, increasing system performance and reliability. |
| Tubitak / Metin Madencisi | Tech Lead / Software Architect | Built dynamic scaling systems on AWS, enabling an ad server platform to handle billions of views per month, increasing ad performance and scalability. | Led the development of scalable ad-serving systems, managing the architecture for publisher integration and performance optimisation on AWS. |
| [PlusCanvas.com](http://pluscanvas.com) | Consultant / Contractor | Rebuilt the entire e-commerce platform using NopCommerce, creating a scalable, customisable, and extendable platform to support business growth. | Managed the customisation and refactoring of monolithic architecture, ensuring the new platform was scalable and future-proof. |
| Turkcell / Telecom | Data Architect / Contractor | Migrated SQL Server and Oracle billing systems, improving performance and saving the company millions of dollars in operational costs. | Led the migration of critical billing systems, ensuring performance optimisation and seamless integration between Oracle and SQL Server databases. |

**📅 AVAILABILITY AND CONTACT**

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

**Location:** London, United Kingdom

**Email:** info@pexabo.com

**Phone:** +44 7848 024173

**LinkedIn:**[linkedin.com/in/rifaterdemsahin](http://linkedin.com/in/rifaterdemsahin)

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