

Erdem Sahin

Automation & Systems Engineer

- **Location:** Cambridge, United Kingdom (Willing to work onsite/hybrid in Belgium)
- **Citizenship:** British Citizen—Security Cleared
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Professional Summary

An experienced and hands-on **Automation Engineer** with extensive knowledge of systems integration, automation frameworks, and large-scale system deployment. Proven track record in delivering and transforming complex enterprise environments (both on-premise and cloud), with a strong focus on **automation, scalability, system testing, and security**.

Core Competencies

- Automation System Design & Integration
- Process Optimisation & Troubleshooting
- Scalability & Performance Engineering
- Infrastructure as Code (IaC) & Automation
- Systems Reliability & Monitoring
- Data Engineering & ETL Automation

Key Automation Projects & Results

- **2024: IBM** Led AI-driven automation efforts for **Critical National Infrastructure**, enhancing release velocity by 20% through a transformed automation framework.
- **2023: Goldman Sachs** Developed an **advanced automation framework** to support critical financial systems, boosting monthly deployments from one to four and significantly cutting deployment costs.
- **2022: Ypsomed** Migrated and optimised complex **IoT systems**, resolving versioning conflicts by 40% and **improving overall system performance by 25%**.
- **2021: Cushman & Wakefield** Automated complex ETL processes, integrating Databricks and MuleSoft to **increase data processing speed by 50%** and reduce data errors by

35%.

- **2020: Emerson** For a leading industrial automation client, deployed and scaled **containerised automation solutions** (Kubernetes, GPU-based Docker) to improve computational efficiency by 45%.
- **2019: Ardent Blue Technologies LLC** Built a serverless CI/CD pipeline for VR applications, **increasing deployment speed by 70%** and lowering operational costs by 40%.
- **2018: Scottish Enterprise** Established robust continuous delivery and system monitoring practices (ELK Stack), **improving system reliability by 35%**.

Technical Proficiencies

- **Languages:** Python, C#, Java, JavaScript, SQL, PowerShell
- **Platforms:** Azure, AWS, GCP, Kubernetes, Docker
- **Automation/Infra:** Terraform, Ansible, Jenkins, Git, Azure DevOps, CI/CD Tools
- **Architectures:** Microservices Frameworks, Serverless Architectures, Virtualisation
- **Other Tools:** ELK Stack, AI & Machine Learning Platforms, n8n, LLM

Education & Certifications

- **Bachelor of Science** | Southern New Hampshire University, USA
- **Microsoft Certified Architect in Cloud Solutions (70-532)**

Security Clearances

- Successfully passed background checks with Sterling (2020) and IBM Watchdog (2024)
- Clearances include: DBS (2025), BPSS (2026), CNI (2026), UK SC (2028), NSV (2028), NATO (2029)

Availability

- Available for an immediate start (ASAP)
- **Schedule a meeting:** <https://calendly.com/rifaterdem/schedule>