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## BUILD & RELEASE ENGINEER | CI/CD & AUTOMATION SPECIALIST

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  -  **GitHub:** [github.com/rifaterdemsahin](https://github.com/rifaterdemsahin)
  -  **Portfolio:** <https://rifaterdemsahin.com>
  -  **Schedule a Call:** <https://calendly.com/rifaterdem/schedule>
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## PROFESSIONAL SUMMARY


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Senior Build & Release Engineer specializing in **Enterprise Build Systems, CI/CD Orchestration, and Software Configuration Management**. Expert in designing and implementing high-throughput automated pipelines that reduce build times and ensure repeatable, reliable releases. Proven track record in managing complex branching strategies and automated environment provisioning for mission-critical financial and healthcare applications.

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## CORE COMPETENCIES

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 **Build & Release Engineering** - Automated Build Systems (Jenkins, GitHub Actions, GitLab CI) - Artifact Management (Nexus, Artifactory) - Branching & Version Control (Git, SVN, Perforce) - Infrastructure as Code & Environment Automation - Quality Gates & Automated Testing Integration

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## KEY ACCOMPLISHMENTS

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### 2025 | IBM | London, UK

**Enterprise Build System Modernization - Challenge:** Accelerate software delivery across hybrid cloud environments for Fortune 500 clients. - **Solution:** Architected a unified build and release pipeline using Red Hat OpenShift and Jenkins, integrating watsonx AI for automated build log analysis. - **Impact:** - 50% reduction in build times through distributed builds and intelligent caching. - 40% improvement in release frequency with automated deployment gates. - Standardized build processes across 10+ global project teams. - **Technologies:** OpenShift, Jenkins, watsonx AI, GitHub Actions, Ansible, Terraform.

### 2024 | Goldman Sachs | Muscat, Oman

**High-Frequency Financial Release Platform - Challenge:** Implement zero-downtime release cycles for high-frequency trading platforms. - **Solution:** Built an automated release management system with integrated blue-green deployment strategies. - **Impact:** - 300% improvement in deployment reliability via automated rollbacks. - 99.99% system availability during major version upgrades. - Reduced release-related incidents by 70%. - **Technologies:** Kubernetes, GitLab CI, Nexus, Prometheus, Python.

### 2023 | Ypsomed | Switzerland

**Validated Build Pipeline for Healthcare - Challenge:** Ensure 100% traceability and compliance in the software build process for medical devices. - **Solution:** Implemented a strictly versioned and audited build pipeline with automated documentation generation. - **Impact:** - Achieved full regulatory compliance (ISO 13485) for software release processes. - 35% reduction in audit preparation time via automated traceability reports. - Reduced manual verification efforts by 60%. - **Technologies:** Azure DevOps, Docker, Artifactory, Bash, YAML.

### 2022 | Cushman & Wakefield | London, UK

**Global Release Orchestration - Challenge:** Synchronize releases across multiple regional property management platforms. - **Solution:** Developed a centralized release dashboard and orchestration engine using Azure services. - **Impact:** - 50% faster global deployment rollout across 15 regions. - 90% improvement in release consistency via automated environment configuration. - Enabled self-service release capabilities for development teams. - **Technologies:** Azure Pipelines, Terraform, ELK Stack, PowerShell.

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## TECHNICAL EXPERTISE

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### Core Technologies

**Build Systems:** Jenkins (Groovy), GitHub Actions, Azure DevOps, GitLab CI

**Automation:** Terraform, Ansible, Chef, Puppet

**Artifacts:** JFrog Artifactory, Sonatype Nexus, Docker Registry

**SCM:** Git (GitHub, GitLab, Bitbucket), Subversion

### Specialized Skills

**Pipeline Design:** Multi-stage deployments, Canary releases, Blue-green deployments

**Infrastructure:** Containerization (Docker, Podman), Orchestration (Kubernetes, Helm)

**Quality:** SonarQube integration, Security scanning (Snyk), Automated Unit/Integration testing

**Scripting:** Python, Bash, Groovy, PowerShell

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## PROFESSIONAL EXPERIENCE HIGHLIGHTS

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**Senior Build & Release Engineer / AI Solutions Architect** | January 2025 - Present

*IBM | London, UK*

- Designing and maintaining enterprise-grade build systems for cloud-native transformations.
- Leading the migration of legacy build processes to modern containerized environments.
- Implementing AI-driven monitoring and alerting for CI/CD pipeline health.

**Senior Build & Release Engineer / Technical Lead** | 2020 - 2025

*Goldman Sachs, Ypsomed, Cushman & Wakefield*

- Managed build and release infrastructure for multi-billion dollar transaction systems.
- Established global branching and merging standards to improve developer productivity.
- Mentored teams on modern DevOps and SCM best practices.

**Release Engineer** | 2016 - 2020

*Microsoft, Emerson, Various Fortune 500*

- Automated release workflows for large-scale digital transformation projects.
  - Collaborated with QA and Ops teams to ensure seamless software delivery.
  - Managed build servers and artifact repositories for global development teams.
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## EDUCATION

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### **Bachelor of Science**

Southern New Hampshire University, USA  | 2013

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## CERTIFICATIONS & CONTINUOUS LEARNING

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-  **Microsoft Certified Solutions Architect Expert**
  -  **AWS Certified Solutions Architect Professional**
  -  **Azure Solutions Architect Expert**
  -  **Certified Kubernetes Administrator (CKA)**
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## SECURITY CLEARANCES

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-  **UK SC (Security Check)** - Valid until 2028
  -  **NATO Clearance** - Valid until 2029
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## AVAILABILITY & CONTACT

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**Immediate Availability** for Build & Release Engineer roles

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

 **Email:** [contact@rifaterdemsahin.com](mailto:contact@rifaterdemsahin.com)

 **Phone:** +44 7848 024173

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## SUPPORTING DOCUMENTS

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*References and detailed project portfolios available upon request*