









RIFAT ERDEM SAHIN



TECHNICAL BUSINESS ANALYST | SYSTEMS ANALYSIS & API INTEGRATION SPECIALIST

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

Technical Business Analyst with deep expertise in **API integration, data modelling, and system architecture**. Specialized in bridging the gap between business vision and technical implementation. Proven track record in defining complex technical requirements, mapping data flows, and leading system integration projects in the **Public Sector and Finance** industries. Expert in translating complex business needs into precise technical specifications (Swagger/OpenAPI) and ensuring robust data integrity.

CORE COMPETENCIES

-  **Technical Analysis & API Design - API Documentation:** Swagger / OpenAPI Specification, Postman collections - **Data Exchange:** JSON, XML, SOAP, RESTful services - **System Integration:** Microservices architecture, Legacy modernization, Cloud (AWS/Azure) basics - **DevTools:** Chrome DevTools, Git Version Control
-  **Data & Database - SQL:** Complex queries, Joins, Stored Procedures analysis - **Data Modelling:** ERD (Entity Relationship Diagrams), Schema mapping - **ETL:** Data migration

strategies, Transformation logic definition

 **Agile Technical Delivery - BDD/TDD:** Writing Technical User Stories, Gherkin syntax (Cucumber) - **CI/CD:** Understanding of build pipelines and deployment processes - **Documentation:** Technical Specifications, Interface Control Documents (ICD)

KEY ACCOMPLISHMENTS

2025 | IBM | London, UK

Enterprise AI & Cloud Transformation - Technical Business Analysis - Challenge: Define technical requirements for large-scale hybrid cloud and AI integration programmes for enterprise clients - **Solution:** Authored API specifications, data mapping documents, and technical requirements for IBM Cloud + watsonx AI adoption, bridging business needs with engineering delivery - **Impact:** - Reduced integration defects by 40% through precise technical interface definitions - Accelerated client AI adoption by 6 weeks via clear watsonx API documentation - Enabled zero-downtime migration of 10M+ records to IBM Cloud infrastructure - **Technologies:** IBM Cloud, watsonx AI, REST APIs, OpenAPI/Swagger, SQL, Azure, Terraform, JIRA, Confluence

2024 | Home Office | Contract

Border Systems Interoperability Programme - Challenge: Integrate legacy border control systems with new biometric data platforms. - **Solution:** Mapped complex XML data schemas to new JSON REST API standards. Authored comprehensive Swagger documentation for development teams. - **Impact:** - Reduced integration defects by 30% through precise interface definitions. - Accelerated third-party vendor onboarding by 4 weeks. - Ensured 100% data integrity during migration of 1M+ records.

2023 | Department for Education (DfE) | Contract

National Student Database Modernization - Challenge: Migrate on-premise SQL databases to Azure cloud infrastructure while maintaining data consistency. - **Solution:** Performed detailed SQL analysis to identify dependencies. Created source-to-target mapping documents and validated data transformation logic. - **Impact:** - Validated successful migration of 5TB+ of historical student data. - Optimised query performance by 20% through schema analysis. - Automation of data validation scripts saved 200 man-hours.

2022 | NHS Digital | Contract

Health Record API Gateway - Challenge: Expose internal health record data securely to external trusted partners. - **Solution:** Defined granular technical requirements for OAuth2 authentication and API rate limiting. - **Impact:** - Delivered secure API gateway handling 10k+ requests/minute. - Enabled 50+ external health apps to integrate securely within 6 months.

PROFESSIONAL EXPERIENCE HIGHLIGHTS

Senior Technical Business Analyst / AI Integration Lead | January 2025 - Present

IBM | London, UK

- Defining technical requirements and API specifications for IBM Cloud and watsonx AI integration programmes
- Authoring source-to-target data mapping documents for hybrid cloud migration engagements
- Bridging business stakeholders and engineering teams for AI-driven process automation initiatives
- Validating data integrity across cloud migrations involving 10M+ records with automated test scripts
- Creating technical documentation (OpenAPI, data dictionaries, process flows) for enterprise AI adoptions

Senior Technical Business Analyst | 2020 - 2025

UK Public Sector (Various Departments via Consultancy)

- Led discovery, alpha, beta, and live phases for high-profile government digital services
- Ensured compliance with GDS Service Standards and Technology Code of Practice
- Facilitated workshops with policy, legal, and operational stakeholders to define requirements
- Mentored junior analysts and improved agile delivery processes
- Delivered services used by millions of citizens with a focus on accessibility and inclusion

Business Analyst | 2016 - 2020

Capgemini, Sopra Steria

- Delivered digital transformation projects for central government clients

- Mapped complex business processes and identified efficiency improvements
 - Managed product backlogs and supported Product Owners in prioritization
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EDUCATION

Bachelor of Science

Southern New Hampshire University, USA  | 2013

CERTIFICATIONS & CONTINUOUS LEARNING

 **BCS International Diploma in Business Analysis**

 **Certified Scrum Product Owner (CSPO)**

 **Agile Business Analysis Practitioner**

 **GDS Service Standard Training**

Continuous Learning:

- Keeping up to date with GOV.UK trends and patterns - Active member of flexible working and digital inclusion communities

SECURITY CLEARANCES

 **UK SC (Security Check)** - Valid until 2028

✓ **Background Checks:** Watchdog (2024), Sterling (2019)

AVAILABILITY & CONTACT

Immediate Availability for Public Sector BA roles inside IR35 / outside IR35

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

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SUPPORTING DOCUMENTS

References and detailed project portfolios available upon request