

# Manuel Almagro Rivas

## INTEGRATION CONSULTANT

### Profile

Integration consultant with hands-on experience designing, building, and operating cloud integration solutions. Specialised in SAP Integration Suite, BTP and S/4HANA Cloud, with a strong foundation in API design, messaging protocols, and resilient integration patterns. Delivered core integrations running in production with near-zero downtime and exceptions over extended periods. Comfortable working in English-first environments (Cambridge CPE / C2 certified). Long-term goal of growing into an integration architect role.

### Experience

2023 - present

#### **SAP Integration Consultant**

Avvale Spain

Project experience includes:

- Designed and delivered end-to-end integration solutions tailored to functional, business, and scalability requirements; core custom integrations have run in production with near-zero downtime and exceptions for 6+ months.
- Led automation of complex business processes, reducing manual effort and improving operational reliability for clients.
- Migrated custom and standard integration processes from on-premise legacy systems to SAP BTP cloud solutions, ensuring continuity and improved maintainability.
- Reviewed and aligned existing integration landscapes with industry best practices, including end-to-end documentation and standardisation across environments.
- Set up end-to-end monitoring and alerting across S/4HANA, Master Data Integration, Cloud ALM, and Integration Suite, reducing mean time to detection of integration failures.
- Delivered integration training sessions (theory and hands-on exercises) to clients and colleagues on best practices, monitoring, alerting, housekeeping, and transport management.
- Resolved integration incidents within defined SLAs in fast-paced consulting environments, maintaining service continuity for production systems.

- Produced technical designs, effort estimates, and project documentation to support delivery teams and client stakeholders.

## Technical skills

- General integration knowledge**
  - Message mapping (XML via XSD/WSDL, JSON, EDI...) & handling of common message formats (CSV, YAML)
  - Authentication methods: Basic, OAuth 2.0, client certificate-based, JWT, API Key, CSRF...
  - API testing and debugging (REST, SOAP, OData)
  - Best practices, resilient and maintainable integration patterns.
- APIs**
  - REST & SOAP API Development
  - Extensive OData (V2, V4) API experience
  - GraphQL API knowledge
  - SAP Environment tools: BAPIs, CDS views, CBOs
- Scripting & programming**
  - Development and scripting in Groovy and Java (both base & in the Spring Boot framework).
  - Also used frequently in the past: Python, R, C++, Fortran, Mathematica, Lua.
  - Bash scripting in UNIX-like environments (macOS, Linux).
- Platform & Infrastructure**
  - Management and administration of DNS, domains, reverse proxies and hosting services
  - Basic system administration tasks in Linux
  - Administration and maintenance of FTP/SFTP services
  - Issuance, renewal, and automation of SSL/TLS certificates
  - Operational management of databases
  - Use of Docker for the creation, deployment, and basic management of containers
  - Operational knowledge of public key cryptography (PKI): certificates, keystores, hash algorithms, sign requests, trust chains...

## Technologies

- SAP Integration**
  - SAP Integration Suite: Cloud Integration, API Manager, Event Mesh, Log Viewer
  - SAP BTP, Cloud ALM, SAP Cloud Connector
  - S/4HANA Cloud (Public Edition), ECC, SuccessFactors, Cloud for Customer, Customer Data Cloud, Ariba, Concur, Emarsys, Master Data Integration
- Databases & tools**
  - Microsoft SQL Server, HANA, MariaDB
  - Postman, Bruno, SoapUI
  - Docker

<b>Education</b>	2016 - 2023	<b>Bachelor's Degree in Physics</b> University of Granada Interest in computational physics, simulation, and data analysis. Bachelor's thesis: <i>"Photon absorption in a periodic lattice of quantum dots."</i>
	2013 - 2016	<b>Bachelor's Degree in Chemistry</b> University of Jaén Awarded for highest entrance GPA in the province. Transferred to a different degree program in 2016.
<b>Languages</b>	<b>Spanish</b>	Native
	<b>English</b>	C2 - Certificate of Proficiency in English (CPE) University of Cambridge Grade B: 219/230 November 2018
	<b>Russian</b>	B1 – Certificate in Russian Language and Culture University of Granada June 2021
<b>Certifications</b>	<b>Integration</b>	SAP Certified Associate - Integration Developer July 2025
		Solace Certified Event Driven Integration - SAP April 2026