Manuel Almagro Rivas
INTEGRATION CONSULTANT - PHYSICIST

Objectives

I currently work as an integration consultant. I would like to continue developing my career in the technical realm and expand the set of tools and technologies I can apply to solve problems. My long-term goal is to become an integration architect, with a strong focus on cloud environments. I am also interested in data science and complex process automation.

Experience

2023 - present

SAP Integration Consultant
Avvale Spain

Project experience includes:

- Development of solutions tailored to functional, business, and scalability requirements.
- Automation of complex functional processes.
- Migration of both custom and standard processes from legacy systems to cloud solutions.
- Alignment of existing systems with best practices, including documentation and standardization.
- Implementation of monitoring and alerting processes across S/4HANA, Master Data Integration, Cloud ALM, and Integration Suite.

Technologies:

- Mediated and direct integration of SAP solutions: ECC, S/4HANA Cloud (Public Edition), SuccessFactors, Cloud for Customer, Customer Data Cloud, Ariba, Cloud ALM, Concur, Emarsys, Master Data Integration, etc.
- Integration with third-party systems via standard protocols (SOAP, OData, RESTful, etc.) and through custom third-party implementations.
- Implementation of connections to on-premise systems via SAP Cloud Connector.
- Integration with databases (cloud and on-prem): Microsoft SQL Server, HANA, MariaDB, etc.
- Training of clients and colleagues on best practices, logging and monitoring mechanisms, alerting, housekeeping, and transport management across environments.
- Incident resolution under work methodologies with defined service-level agreements.
- Preparation of time estimates, technical designs, and project documentation.

Education

2016 - 2023	**Bachelor's Degree in Physics** University of Granada Interest in computational physics, simulation, and data analysis. Bachelor's thesis: *"Photon absorption in a periodic lattice of quantum dots."*
2013 - 2016	**Bachelor's Degree in Chemistry** University of Jaén Awarded for highest entrance GPA in the province. Transferred to a different degree program in 2016.

Technical skills

SAP Ecosystem
- Deep knowledge of SAP Integration Suite: Cloud Integration, API Manager.
- Use of adjacent tools: SAP Cloud ALM, S/4HANA Cloud.

General integration knowledge
- Message mapping (XML vía XSD/WSDL, JSON…)
- Authentication methods (CSRF, JWT, OAuth, API Key…)
- API testing through Postman/Bruno/SoapUI…
- Best practices, resilient and maintainable integration patterns

APIs
- REST & SOAP API Development.
- Extensive OData (V2, V4) API experience
- Basic knowledge of GraphQL APIs
- SAP Environment tools: BAPIs, CDS views, CBOs

Scripting & programming
- Development and scripting in Groovy and Java (Maven); use of XSLT.
- Operational knowledge of Python, R, and C++.
- Bash scripting in macOS and Linux environments.

Platform & Infrastructure
- Management and administration of DNS, domains, and hosting services.
- Administration and maintenance of FTP/SFTP services.
- Issuance, renewal, and automation of SSL/TLS certificates using acme.sh.
- Operational knowledge of NAT, including DNAT and CGNAT.
- Operational management of databases.
- Use of Docker for the creation, deployment, and basic management of containers.
- Operational knowledge of public key cryptography (PKI), including certificates, keys, and trust chains.

Soft skills

	Efficiency and Results-Oriented	I have been the lead integrator in projects involving the automation of complex functional processes, achieving high customer satisfaction.
	Collaboration	Able to foster a collaborative environment and get along well with colleagues. Skilled at setting shared goals with cross-functional teams.
	Advisory Skills	I am good at translating technical requirements and problems into accessible language for functional team members and client-facing roles.
	Training	I have delivered integration training (theory and exercises) to both clients and colleagues.

Languages

	Spanish	Native
	English	C2 - Certificate of Proficiency in English (CPE) University of Cambridge Grade B: 219/230 November 2018
	Russian	B1 – Certificate in Russian Language and Culture University of Granada June 2021

Certifications

	Integration	SAP Certified Associate - Integration Developer July 2025

(Last update: 30th December 2025)